Pascale Gaudet

List of Publications by Year
in descending order

84
papers	10,767
citations	159585
30
h-index	66911
78
g-index
91
all docs	91
docs citations	91
times ranked	21071
citing authors

#	Article	IF	Citations
1	The Gene Ontology Resource: 20 years and still GOing strong. Nucleic Acids Research, 2019, 47, D330-D338.	14.5	3,474
2	The Gene Ontology resource: enriching a GOld mine. Nucleic Acids Research, 2021, 49, D325-D334.	14.5	2,416
3	Phylogenetic-based propagation of functional annotations within the Gene Ontology consortium. Briefings in Bioinformatics, 2011, 12, 449-462.	6.5	723
4	PANTHER version 7: improved phylogenetic trees, orthologs and collaboration with the Gene Ontology Consortium. Nucleic Acids Research, 2010, 38, D204-D210.	14.5	553
5	SynGO: An Evidence-Based, Expert-Curated Knowledge Base for the Synapse. Neuron, 2019, 103, 217-234.e4.	8.1	518
6	Toward interoperable bioscience data. Nature Genetics, 2012, 44, 121-126.	21.4	362
7	Protocols for growth and development of Dictyostelium discoideum. Nature Protocols, 2007, 2, 1307-1316.	12.0	197
8	neXtProt: a knowledge platform for human proteins. Nucleic Acids Research, 2012, 40, D76-D83.	14.5	167
9	The neXtProt knowledgebase on human proteins: 2017 update. Nucleic Acids Research, 2017, 45, D177-D182.	14.5	145
10	Metrics for the Human Proteome Project 2013â€"2014 and Strategies for Finding Missing Proteins. Journal of Proteome Research, 2014, 13, 15-20.	3.7	124
11	The neXtProt knowledgebase in 2020: data, tools and usability improvements. Nucleic Acids Research, 2020, 48, D328-D334.	14.5	121
12	DisProt in 2022: improved quality and accessibility of protein intrinsic disorder annotation. Nucleic Acids Research, 2022, 50, D480-D487.	14.5	117
13	neXtProt: Organizing Protein Knowledge in the Context of Human Proteome Projects. Journal of Proteome Research, 2013, 12, 293-298.	3.7	116
14	Gene Ontology: Pitfalls, Biases, and Remedies. Methods in Molecular Biology, 2017, 1446, 189-205.	0.9	109
15	Transformation of Dictyostelium discoideum with plasmid DNA. Nature Protocols, 2007, 2, 1317-1324.	12.0	102
16	dictyBase, the model organism database for Dictyostelium discoideum. Nucleic Acids Research, 2006, 34, D423-D427.	14.5	101
17	The neXtProt knowledgebase on human proteins: current status. Nucleic Acids Research, 2015, 43, D764-D770.	14.5	94
18	Kinases and Cancer. Cancers, 2018, 10, 63.	3.7	93

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19	Gene Ontology Causal Activity Modeling (GO-CAM) moves beyond GO annotations to structured descriptions of biological functions and systems. Nature Genetics, 2019, 51, 1429-1433.	21.4	76
20	dictyBaseâ€"a Dictyostelium bioinformatics resource update. Nucleic Acids Research, 2009, 37, D515-D519.	14.5	71
21	ECO, the Evidence & Conclusion Ontology: community standard for evidence information. Nucleic Acids Research, 2019, 47, D1186-D1194.	14.5	67
22	Primer on the Gene Ontology. Methods in Molecular Biology, 2017, 1446, 25-37.	0.9	63
23	Biocurators and Biocuration: surveying the 21st century challenges. Database: the Journal of Biological Databases and Curation, 2012, 2012, bar059-bar059.	3.0	59
24	GOBLET: The Global Organisation for Bioinformatics Learning, Education and Training. PLoS Computational Biology, 2015, 11, e1004143.	3.2	52
25	An anatomy ontology to represent biological knowledge in Dictyostelium discoideum. BMC Genomics, 2008, 9, 130.	2.8	39
26	dictyBase update 2011: web 2.0 functionality and the initial steps towards a genome portal for the Amoebozoa. Nucleic Acids Research, 2011, 39, D620-D624.	14.5	39
27	The Confidence Information Ontology: a step towards a standard for asserting confidence in annotations. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav043-bav043.	3.0	37
28	A Chromosome-centric Human Proteome Project (C-HPP) to Characterize the Sets of Proteins Encoded in Chromosome 17. Journal of Proteome Research, 2013, 12, 45-57.	3.7	35
29	Generation, annotation, and analysis of an extensive Aspergillus niger EST collection. BMC Microbiology, 2006, 6, 7.	3.3	34
30	Meeting Report from the Second â€œMinimum Information for Biological and Biomedical Investigationsâ€• (MIBBI) workshop. Standards in Genomic Sciences, 2010, 3, 259-266.	1.5	32
31	Towards BioDBcore: a community-defined information specification for biological databases. Nucleic Acids Research, 2011, 39, D7-D10.	14.5	32
32	Diabetogenic milieus induce specific changes in mitochondrial transcriptome and differentiation of human pancreatic islets. Human Molecular Genetics, 2015, 24, 5270-5284.	2.9	31
33	Integrative annotation and knowledge discovery of kinase post-translational modifications and cancer-associated mutations through federated protein ontologies and resources. Scientific Reports, 2018, 8, 6518.	3.3	31
34	Towards BioDBcore: a community-defined information specification for biological databases. Database: the Journal of Biological Databases and Curation, 2011, 2011, baq027-baq027.	3.0	30
35	Mitochondrial carrier family: Repertoire and peculiarities of the cellular slime mould Dictyostelium discoideum. Biochimie, 2007, 89, 1058-1069.	2.6	23
36	DNA Damage Signalling and Repair in <i>Dictyostelium discoideum</i>. Cell Cycle, 2006, 5, 702-708.	2.6	21

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37	Best Practices in Manual Annotation with the Gene Ontology. Methods in Molecular Biology, 2017, 1446, 41-54.	0.9	21
38	Annotation of gene product function from high-throughput studies using the Gene Ontology. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	21
39	Changes in Mitochondrial Carriers Exhibit Stress-Specific Signatures in INS-1EÎ²-Cells Exposed to Glucose Versus Fatty Acids. PLoS ONE, 2013, 8, e82364.	2.5	21
40	Meeting Report: BioSharing at ISMB 2010. Standards in Genomic Sciences, 2010, 3, 254-258.	1.5	19
41	A reliable general purpose method for extracting genomic DNA from Dictyostelium cells. Nature Protocols, 2007, 2, 1325-1328.	12.0	18
42	The Human Diabetes Proteome Project (HDPP): From network biology to targets for therapies and prevention. Translational Proteomics, 2013, 1, 3-11.	1.2	18
43	The Feature-Viewer: a visualization tool for positional annotations on a sequence. Bioinformatics, 2020, 36, 3244-3245.	4.1	18
44	The health care and life sciences community profile for dataset descriptions. PeerJ, 2016, 4, e2331.	2.0	18
45	dictyBase and the Dicty Stock Center. , 2006, 346, 51-74.		17
46	Deep Question Answering for protein annotation. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav081.	3.0	17
47	Gene Ontology representation for transcription factor functions. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194752.	1.9	17
48	A GO catalogue of human DNA-binding transcription factors. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194765.	1.9	15
49	<i>Dictyostelium discoideum</i>: The Social Ameba. Cold Spring Harbor Protocols, 2008, 2008, pdb.emo109.	0.3	14
50	The Minimum Information about a Molecular Interaction CAusal STatement (MI2CAST). Bioinformatics, 2021, 36, 5712-5718.	4.1	14
51	Converting neXtProt into Linked Data and nanopublications. Semantic Web, 2015, 6, 147-153.	1.9	13
52	Querying neXtProt nanopublications and their value for insights on sequence variants and tissue expression. Web Semantics, 2014, 29, 3-11.	2.9	12
53	Annotation of functional impact of voltage-gated sodium channel mutations. Human Mutation, 2017, 38, 485-493.	2.5	12
54	Large-scale inference of gene function through phylogenetic annotation of Gene Ontology terms: case study of the apoptosis and autophagy cellular processes. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw155.	3.0	12

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55	A general purpose method for extracting RNA from Dictyostelium cells. Nature Protocols, 2007, 2, 1329-1332.	12.0	11
56	neXtA5: accelerating annotation of articles via automated approaches in neXtProt. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw098.	3.0	10
57	Triage by ranking to support the curation of protein interactions. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	10
58	A new bioinformatics tool to help assess the significance of BRCA1 variants. Human Genomics, 2018, 12, 36.	2.9	10
59	Regulation of the ribonucleotide reductase small subunit gene by DNA-damaging agents in Dictyostelium discoideum. Nucleic Acids Research, 1999, 27, 3042-3048.	14.5	9
60	Identification of cis-Regulating Elements andtrans-Acting Factors Regulating the Expression of the Gene Encoding the Small Subunit of Ribonucleotide Reductase inDictyostelium discoideum. Journal of Biological Chemistry, 1999, 274, 20384-20390.	3.4	9
61	ICEPO: the ion channel electrophysiology ontology. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw017.	3.0	9
62	Growth and Maintenance of <i>Dictyostelium</i> Cells. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5099.	0.3	7
63	Term Matrix: a novel Gene Ontology annotation quality control system based on ontology term co-annotation patterns. Open Biology, 2020, 10, 200149.	3.6	7
64	Multicellular Development of Dictyostelium. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5100-pdb.prot5100.	0.3	6
65	Transformation of Dictyostelium with Plasmid DNA by Electroporation. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5103-pdb.prot5103.	0.3	6
66	Accelerating annotation of articles via automated approaches: evaluation of the neXtA5 curation-support tool by neXtProt. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	6
67	Formalization of gene regulation knowledge using ontologies and gene ontology causal activity models. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194766.	1.9	6
68	Making Permanent Stocks of Dictyostelium. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5101-pdb.prot5101.	0.3	5
69	Selection of Dictyostelium Transformants. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5104-pdb.prot5104.	0.3	3
70	Transformation of Dictyostelium with Plasmid DNA by Calcium Phosphate Precipitation. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5102-pdb.prot5102.	0.3	3
71	Overview of the BioCreative VI text-mining services for Kinome Curation Track. Database: the Journal of Biological Databases and Curation, 2018, 2018, .	3.0	3
72	The Gene Ontology. , 2019, , 1-7.		3

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73	The gene regulation knowledge commons: the action area of GREEKC. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2022, 1865, 194768.	1.9	3
74	Extraction of DNA from <i>Dictyostelium</i>. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5105.	0.3	2
75	Extraction of RNA from Dictyostelium. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5106-pdb.prot5106.	0.3	2
76	Querying NeXtProt Nanopublications and Their Value for Insights on Sequence Variants and Tissue Expression. SSRN Electronic Journal, 0, , .	0.4	2
77	The Gene Ontology's Reference Genome Project: *A Unified Framework for Functional Annotation across Species. Nature Precedings, 2009, , .	0.1	1
78	DATABASE, The Journal of Biological Databases and Curation, is now the official journal of the International Society for Biocuration. Database: the Journal of Biological Databases and Curation, 2013, 2013, bat077-bat077.	3.0	1
79	Target discovery from protein databases: challenges for curation. Drug Discovery Today: Technologies, 2015, 14, 11-16.	4.0	1
80	BioDBcore: a community-defined information specification for biological databases. Nature Precedings, 0, , .	0.1	1
81	Missing Links Between Gene Function and Physiology in Genomics. Frontiers in Physiology, 2022, 13, 815874.	2.8	1
82	A community of biocurators. Nature Precedings, 2010, , .	0.1	0
83	Agenda of the â€œBioSharing workshop - Unifying Bio-Resources Descriptorsâ€• Nature Precedings, 2011, , .	0.1	0
84	BioHackathon series in 2013 and 2014: improvements of semantic interoperability in life science data and services. F1000Research, 0, 8, 1677.	1.6	0