

# Peter D'Eustachio

## List of Publications by Year in descending order

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95  
papers

21,597  
citations

66315

42  
h-index

36008

97  
g-index

100  
all docs

100  
docs citations

100  
times ranked

33533  
citing authors

#	ARTICLE	IF	CITATIONS
1	The reactome pathway knowledgebase 2022. <i>Nucleic Acids Research</i> , 2022, 50, D687-D692.	6.5	924
2	Plant Reactome and PubChem: The Plant Pathway and (Bio)Chemical Entity Knowledgebases. <i>Methods in Molecular Biology</i> , 2022, 2443, 511-525.	0.4	7
3	Using Reactome to build an autophagy mechanism knowledgebase. <i>Autophagy</i> , 2021, 17, 1543-1554.	4.3	5
4	Gramene 2021: harnessing the power of comparative genomics and pathways for plant research. <i>Nucleic Acids Research</i> , 2021, 49, D1452-D1463.	6.5	83
5	Reactome and the Gene Ontology: digital convergence of data resources. <i>Bioinformatics</i> , 2021, 37, 3343-3348.	1.8	19
6	The Gene Ontology resource: enriching a GOld mine. <i>Nucleic Acids Research</i> , 2021, 49, D325-D334.	6.5	2,416
7	COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms. <i>Molecular Systems Biology</i> , 2021, 17, e10387.	3.2	53
8	Plant Reactome: a knowledgebase and resource for comparative pathway analysis. <i>Nucleic Acids Research</i> , 2020, 48, D1093-D1103.	6.5	44
9	The reactome pathway knowledgebase. <i>Nucleic Acids Research</i> , 2020, 48, D498-D503.	6.5	1,570
10	Reactome and ORCID's fine-grained credit attribution for community curation. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	1.4	12
11	Interleukins and their signaling pathways in the Reactome biological pathway database. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1411-1416.	1.5	11
12	Gramene 2018: unifying comparative genomics and pathway resources for plant research. <i>Nucleic Acids Research</i> , 2018, 46, D1181-D1189.	6.5	147
13	Reactome diagram viewer: data structures and strategies to boost performance. <i>Bioinformatics</i> , 2018, 34, 1208-1214.	1.8	121
14	The Reactome Pathway Knowledgebase. <i>Nucleic Acids Research</i> , 2018, 46, D649-D655.	6.5	2,388
15	Integrative annotation and knowledge discovery of kinase post-translational modifications and cancer-associated mutations through federated protein ontologies and resources. <i>Scientific Reports</i> , 2018, 8, 6518.	1.6	31
16	Reactome graph database: Efficient access to complex pathway data. <i>PLoS Computational Biology</i> , 2018, 14, e1005968.	1.5	202
17	Reactome enhanced pathway visualization. <i>Bioinformatics</i> , 2017, 33, 3461-3467.	1.8	140
18	Reactome pathway analysis: a high-performance in-memory approach. <i>BMC Bioinformatics</i> , 2017, 18, 142.	1.2	600

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19	Plant Reactome: a resource for plant pathways and comparative analysis. <i>Nucleic Acids Research</i> , 2017, 45, D1029-D1039.	6.5	95
20	Protein Ontology (PRO): enhancing and scaling up the representation of protein entities. <i>Nucleic Acids Research</i> , 2017, 45, D339-D346.	6.5	73
21	Gramene database: Navigating plant comparative genomics resources. <i>Current Plant Biology</i> , 2016, 7-8, 10-15.	2.3	51
22	Guidelines for the functional annotation of microRNAs using the Gene Ontology. <i>Rna</i> , 2016, 22, 667-676.	1.6	35
23	The Reactome pathway Knowledgebase. <i>Nucleic Acids Research</i> , 2016, 44, D481-D487.	6.5	3,319
24	Modeling biochemical pathways in the gene ontology. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw126.	1.4	11
25	Gramene 2016: comparative plant genomics and pathway resources. <i>Nucleic Acids Research</i> , 2016, 44, D1133-D1140.	6.5	138
26	Toll-Like Receptor Signaling in Vertebrates: Testing the Integration of Protein, Complex, and Pathway Data in the Protein Ontology Framework. <i>PLoS ONE</i> , 2015, 10, e0122978.	1.1	2
27	The Reactome pathway knowledgebase. <i>Nucleic Acids Research</i> , 2014, 42, D472-D477.	6.5	1,448
28	Protein Ontology: a controlled structured network of protein entities. <i>Nucleic Acids Research</i> , 2014, 42, D415-D421.	6.5	63
29	Gramene 2013: comparative plant genomics resources. <i>Nucleic Acids Research</i> , 2014, 42, D1193-D1199.	6.5	163
30	Pathway Databases: Making Chemical and Biological Sense of the Genomic Data Flood. <i>Chemistry and Biology</i> , 2013, 20, 629-635.	6.2	20
31	Pathway curation: Application of text-mining tools eGIFT and RLIMS-P. , 2012, , ,		2
32	Annotating Cancer Variants and Anti-Cancer Therapeutics in Reactome. <i>Cancers</i> , 2012, 4, 1180-1211.	1.7	270
33	Reactome: a database of reactions, pathways and biological processes. <i>Nucleic Acids Research</i> , 2011, 39, D691-D697.	6.5	1,391
34	Human and chicken TLR pathways: manual curation and computer-based orthology analysis. <i>Mammalian Genome</i> , 2011, 22, 130-138.	1.0	18
35	The representation of protein complexes in the Protein Ontology (PRO). <i>BMC Bioinformatics</i> , 2011, 12, 371.	1.2	14
36	Reactome pathway analysis to enrich biological discovery in proteomics data sets. <i>Proteomics</i> , 2011, 11, 3598-3613.	1.3	89

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37	The Protein Ontology: a structured representation of protein forms and complexes. <i>Nucleic Acids Research</i> , 2011, 39, D539-D545.	6.5	102
38	Critical amino acid residues in proteins: a BioMart integration of Reactome protein annotations with PRIDE mass spectrometry data and COSMIC somatic mutations. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar047.	1.4	8
39	The Reactome BioMart. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar031-bar031.	1.4	32
40	Reactome Knowledgebase of Human Biological Pathways and Processes. <i>Methods in Molecular Biology</i> , 2011, 694, 49-61.	0.4	84
41	The BioPAX community standard for pathway data sharing. <i>Nature Biotechnology</i> , 2010, 28, 935-942.	9.4	613
42	The systematic annotation of the three main GPCR families in Reactome. <i>Database: the Journal of Biological Databases and Curation</i> , 2010, 2010, baq018-baq018.	1.4	24
43	Reactome - a knowledgebase of human biological pathways. <i>Nature Precedings</i> , 2009, , .	0.1	0
44	Reactome knowledgebase of human biological pathways and processes. <i>Nucleic Acids Research</i> , 2009, 37, D619-D622.	6.5	760
45	Arabidopsis Reactome: A Foundation Knowledgebase for Plant Systems Biology. <i>Plant Cell</i> , 2008, 20, 1426-1436.	3.1	52
46	Reactome: a knowledge base of biologic pathways and processes. <i>Genome Biology</i> , 2007, 8, R39.	13.9	539
47	Genetically based resistance to the antiinflammatory effects of methotrexate in the air-pouch model of acute inflammation. <i>Arthritis and Rheumatism</i> , 2005, 52, 2567-2575.	6.7	27
48	An Interaction Between Genetic Factors and Gender Determines the Magnitude of the Inflammatory Response in the Mouse Air Pouch Model of Acute Inflammation. <i>Inflammation</i> , 2005, 29, 1-7.	1.7	15
49	The Genome Sequence of <i>Caenorhabditis briggsae</i> : A Platform for Comparative Genomics. <i>PLoS Biology</i> , 2003, 1, e45.	2.6	812
50	High levels of mitochondrial DNA heteroplasmy in human hairs by Budowle et al.. <i>Forensic Science International</i> , 2002, 130, 63-67.	1.3	4
51	Cystin, a novel cilia-associated protein, is disrupted in the cpk mouse model of polycystic kidney disease. <i>Journal of Clinical Investigation</i> , 2002, 109, 533-540.	3.9	176
52	Differential Localization of Rho Gtpases in Live Cells. <i>Journal of Cell Biology</i> , 2001, 152, 111-126.	2.3	635
53	Isolated Mammalian and <i>Schizosaccharomyces pombe</i> Ran-binding Domains Rescue <i>S. pombe</i> sbp1 (RanBP1) Genomic Mutants. <i>Molecular Biology of the Cell</i> , 1999, 10, 2175-2190.	0.9	9
54	Cellular functions of TC10, a Rho family GTPase: regulation of morphology, signal transduction and cell growth. <i>Oncogene</i> , 1999, 18, 3831-3845.	2.6	91

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55	Mouse Chromosome 12. Mammalian Genome, 1999, 10, 953-953.	1.0	2
56	Mouse chromosome 12. Mammalian Genome, 1998, 8, S241-S257.	1.0	2
57	A T42A Ran Mutation: Differential Interactions with Effectors and Regulators, and Defect in Nuclear Protein Import. Molecular Biology of the Cell, 1997, 8, 2591-2604.	0.9	15
58	Mouse chromosome 12. Mammalian Genome, 1997, 7, S209-S222.	1.0	1
59	The small nuclear GTPase Ran: How much does it run?. BioEssays, 1996, 18, 103-112.	1.2	105
60	Evidence that two phenotypically distinct mouse PKD mutations, bpk and jcpk, are allelic. Kidney International, 1996, 50, 1158-1165.	2.6	36
61	Refined localization of H7 and Ctt1 on distal mouse chromosome 9. Immunogenetics, 1994, 40, 79-81.	1.2	5
62	Refinement of the DNA Marker Maps of Mouse Chromosome 12. Genomics, 1994, 21, 128-137.	1.3	7
63	The Mouse Congenital Polycystic Kidney (cpk) Locus Maps within 1.3 cM of the Chromosome 12 Marker D12Nyu2. Genomics, 1994, 21, 415-418.	1.3	23
64	Immunodominance in the T-cell response to multiple non-H-2 histocompatibility antigens. V. Chromosomal mapping of the immunodominant cytotoxic T-cell target-1 (CTT-1). Immunogenetics, 1993, 38, 157-60.	1.2	6
65	Mouse chromosome 12. Mammalian Genome, 1993, 4, S176-S191.	1.0	3
66	Chromosomal localization of uroplakin genes of cattle and mice. Mammalian Genome, 1993, 4, 656-661.	1.0	22
67	Localization of the twitcher (twi) mutation on mouse Chromosome 12. Mammalian Genome, 1993, 4, 684-686.	1.0	2
68	Characterization of proteins that interact with the cell-cycle regulatory protein Ran/TC4. Nature, 1993, 366, 585-587.	13.7	265
69	A linkage map of mouse Chromosome 1 using an interspecific cross segregating for the gld autoimmunity mutation. Mammalian Genome, 1992, 2, 158-171.	1.0	83
70	Localization of growth arrest-specific genes on mouse Chromosomes 1, 7, 8, 11, 13, and 16. Mammalian Genome, 1992, 2, 130-134.	1.0	36
71	Mouse Chromosome 12. Mammalian Genome, 1992, 3, S182-S194.	1.0	1
72	Interpreting DNA fingerprints. Nature, 1992, 356, 483-483.	13.7	1

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73	Evolutionary grouping of the RAS-protein family. <i>Biochemical and Biophysical Research Communications</i> , 1991, 176, 1130-1135.	1.0	9
74	The mouse polycystic kidney disease mutation (cpk) is located on proximal chromosome 12. <i>Genomics</i> , 1991, 9, 778-781.	1.3	51
75	Rat ribophorin II: Molecular cloning and chromosomal localization of a highly conserved transmembrane glycoprotein of the rough endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 1991, 176, 1482-1486.	1.0	19
76	Ras-like genes and gene families in the mouse. <i>Mammalian Genome</i> , 1991, 1, 112-117.	1.0	30
77	Mouse chromosome 12. <i>Mammalian Genome</i> , 1991, 1, S192-S204.	1.0	5
78	A linkage map of distal mouse chromosome 12. <i>Mammalian Genome</i> , 1991, 1, 30-36.	1.0	24
79	Linkage of acid $\beta$ -glucosidase (Gaa) and Thymidine kinase (Tk-1) to Esterase-3 (Es-3) on mouse Chromosome 11. <i>Mammalian Genome</i> , 1991, 1, 267-269.	1.0	5
80	Establishment of Left-Right Asymmetry in Vertebrates: Genetically Distinct Steps are Involved. <i>Novartis Foundation Symposium</i> , 1991, 162, 202-218.	1.2	11
81	Structure and chromosome assignment of the murine p36 calpactin I heavy chain gene. <i>Biochemistry</i> , 1990, 29, 1226-1232.	1.2	38
82	Comparison of linkage maps of mouse chromosome 12 derived from laboratory strain intraspecific and <i>Mus spretus</i> interspecific backcrosses. <i>Genomics</i> , 1989, 5, 24-28.	1.3	71
83	Linkage genetics of mouse ornithine decarboxylase (Odc). <i>Genomics</i> , 1989, 5, 636-638.	1.3	15
84	Chromosomal Location of the Mouse Gene that Encodes the Myelin-Associated Glycoproteins. <i>Journal of Neurochemistry</i> , 1988, 50, 589-593.	2.1	27
85	cDNA cloning of esterase 1, the major esterase activity in mouse plasma. <i>Biochemical and Biophysical Research Communications</i> , 1988, 151, 1364-1370.	1.0	19
86	Interleukin-1 $\beta$ and $\delta$ genes: linkage on chromosome 2 in the mouse. <i>Immunogenetics</i> , 1987, 26, 339-343.	1.2	71
87	Assignment of the Ly-6-Ril-1-Sis-H-30-Pol-5/Xmmv-72-Ins-3-Krt-1-Int-1-Gdc-1 region to mouse chromosome 15. <i>Immunogenetics</i> , 1987, 25, 361-372.	1.2	44
88	Three functional ribosomal protein genes are unlinked in mouse genome. <i>Somatic Cell and Molecular Genetics</i> , 1987, 13, 77-80.	0.7	21
89	Structure and evolutionary origin of the gene encoding mouse NF-M, the middle-molecular-mass neurofilament protein. <i>FEBS Journal</i> , 1987, 166, 71-77.	0.2	127
90	Isolation of a cDNA clone corresponding to an X-linked gene family (XLR) closely linked to the murine immunodeficiency disorder xid. <i>Nature</i> , 1985, 314, 369-372.	13.7	64

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91	Aberrant rearrangement of the $\lambda^2$ light-chain locus involving the heavy-chain locus and chromosome 15 in a mouse plasmacytoma. <i>Nature</i> , 1983, 301, 425-427.	13.7	41
92	c-myc gene rearrangements involving gamma immunoglobulin heavy chain gene switch regions in murine plasmacytomas. <i>Nucleic Acids Research</i> , 1983, 11, 8303-8315.	6.5	12
93	Dispersion of $\lambda$ -like globin genes of the mouse to three different chromosomes. <i>Nature</i> , 1981, 293, 196-200.	13.7	191
94	Murine $\beta$ -fetoprotein and albumin: Two evolutionarily linked proteins encoded on the same mouse chromosome. <i>Somatic Cell Genetics</i> , 1981, 7, 289-294.	2.7	72
95	Fb, a new enzymic fragment of human $\lambda^3$ C immunoglobulin. <i>Biochemistry</i> , 1972, 11, 4621-4628.	1.2	20