RESEARCH & PUBLICATIONS

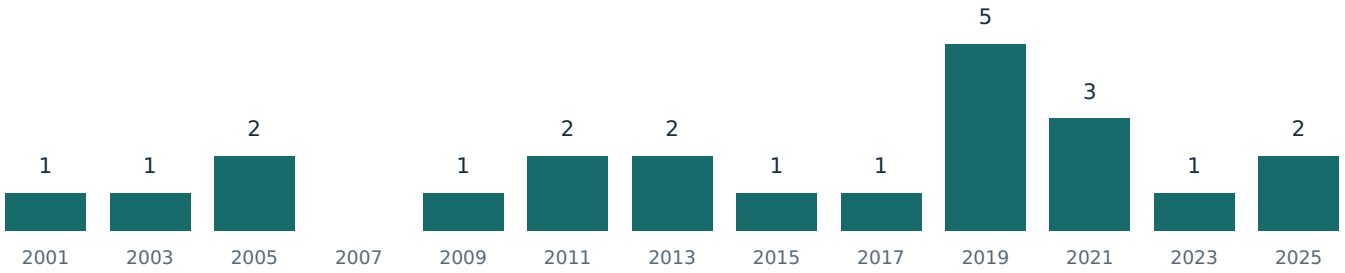
Anushya Muruganujan

A publication record at a glance

22	32,392	18
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

The Sequence of the Human Genome — 13,215
2001 Science

PANTHER: A Library of Protein Families and Subfamilies Indexed by Function — 2,558
2003 Genome Research

PANTHER Version 14: More Genomes, a New PANTHER GO-Slim and Improvements in Enrichment Analysis Tools — 2,413
2019 Nucleic Acids Research

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Ordered by publication year, newest first

2026

01 From SNPs to Pathways: A Genome-Wide Benchmark of Annotation Discrepancies and Their Impact on Protein- and Pathway-Level Inference

BMC Genomics · 27, 499

https://exaly.com/article/212359427

0 citations

2025

02 A Compendium of Human Gene Functions Derived From Evolutionary Modelling

Nature · 640, 1-9

https://exaly.com/article/198187825

32 citations

2023

03 The Gene Ontology Knowledgebase in 2023.

Genetics

https://exaly.com/article/161261680

2,346 citations

2022

04 PANTHER: Making Genome-Scale Phylogenetics Accessible to All

Protein Science · 31, 8-22

https://exaly.com/article/118447443

1,622 citations

05 Annotation Query (AnnoQ): An Integrated and Interactive Platform for Large-Scale Genetic Variant Annotation

Nucleic Acids Research · 50, W57-W65

https://exaly.com/article/145080900

7 citations

2021

06 PANTHER Version 16: A Revised Family Classification, Tree-Based Classification Tool, Enhancer Regions and Extensive API.

Nucleic Acids Research · 49, D394-D403

https://exaly.com/article/85432488

1,084 citations

2020

07 PhyloGenes: An Online Phylogenetics and Functional Genomics Resource for Plant Gene Function Inference

Plant Direct · 4, e00293

https://exaly.com/article/83160130

32 citations

Ordered by publication year, newest first

2020 / continued

08 PEREGRINE: A Genome-Wide Prediction of Enhancer to Gene Relationships Supported by Experimental Evidence — 17 citations

PLoS ONE · 15, e0243791

https://exaly.com/article/87056381

2019

09 Protocol Update for Large-Scale Genome and Gene Function Analysis With the PANTHER Classification System (v.14.0) — 1,248 citations

Nature Protocols · 14, 703-721

https://exaly.com/article/73671899

10 PANTHER Version 14: More Genomes, a New PANTHER GO-Slim and Improvements in Enrichment Analysis Tools — 2,413 citations

Nucleic Acids Research · 47, D419-D426

https://exaly.com/article/74629778

11 Ancestral Genomes: A Resource for Reconstructed Ancestral Genes and Genomes Across the Tree of Life — 18 citations

Nucleic Acids Research · 47, D271-D279

https://exaly.com/article/74728779

2017

12 PANTHER Version 11: Expanded Annotation Data From Gene Ontology and Reactome Pathways, and Data Analysis Tool Enhancements. — 1,743 citations

Nucleic Acids Research · 45, D183-D189

https://exaly.com/article/67546803

2016

13 PANTHER Version 10: Expanded Protein Families and Functions, and Analysis Tools. — 741 citations

Nucleic Acids Research · 44, D336-42

https://exaly.com/article/65612077

2013

14 PANTHER in 2013: Modeling the Evolution of Gene Function, and Other Gene Attributes, in the Context of Phylogenetic Trees. — 1,501 citations

Nucleic Acids Research · 41, D377-86

https://exaly.com/article/52786563

15 Large-Scale Gene Function Analysis With the PANTHER Classification System — 2,142 citations

Nature Protocols · 8, 1551-1566

https://exaly.com/article/54859420

Ordered by publication year, newest first

2011

16 **BioPAX Support in CellDesigner.**
Bioinformatics · 27, 3437-8
https://exaly.com/article/50281204
18 citations

17 **BioPAX Support in CellDesigner**
Nature Precedings
https://exaly.com/article/50513278
0 citations

2010

18 **PANTHER Version 7: Improved Phylogenetic Trees, Orthologs and Collaboration With the Gene Ontology Consortium.**
Nucleic Acids Research · 38, D204-10
https://exaly.com/article/48840188
532 citations

2006

19 **Applications for Protein Sequence-Function Evolution Data: mRNA/Protein Expression Analysis and Coding SNP Scoring Tools.**
Nucleic Acids Research · 34, W645-50
https://exaly.com/article/39542448
441 citations

2005

20 **The PANTHER Database of Protein Families, Subfamilies, Functions and Pathways.**
Nucleic Acids Research · 33, D284-8
https://exaly.com/article/36643192
682 citations

2003

21 **PANTHER: A Library of Protein Families and Subfamilies Indexed by Function**
Genome Research · 13, 2129-2141
https://exaly.com/article/35638574
2,558 citations

2001

22 **The Sequence of the Human Genome**
Science · 291, 1304-51
https://exaly.com/article/33101947
13,215 citations

End of list · 22 articles. Citation counts use Exaly's peer-reviewed cohort.