RESEARCH & PUBLICATIONS

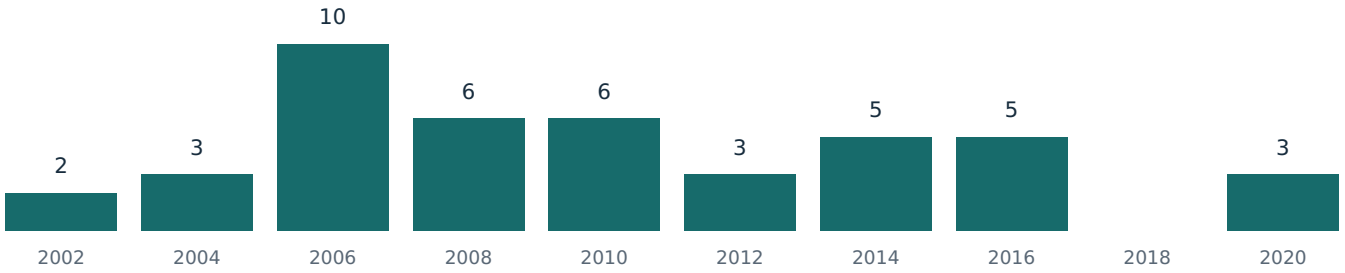
Nicholas Putnam

A publication record at a glance

43	33,070	37
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

Phytozome: A Comparative Platform for Green Plant Genomics. — 4,624
2012 Nucleic Acids Research

The Genome of Black Cottonwood, Populus trichocarpa (Torr. & Gray) — 4,010
2006 Science

Towards Complete and Error-Free Genome Assemblies of All Vertebrate Species — 2,823
2021 Nature

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Ordered by publication year, newest first

2021

01 **Towards Complete and Error-Free Genome Assemblies of All Vertebrate Species**
Nature · 592, 737-746
https://exaly.com/article/80206592
2,823 citations

2020

02 **Genome Biology of the Paleotetraploid Perennial Biomass Crop Miscanthus**
Nature Communications · 11, 1-11
https://exaly.com/article/76067536
110 citations

03 **Deeply Conserved Synteny Resolves Early Events in Vertebrate Evolution**
Nature Ecology and Evolution · 4, 820-830
https://exaly.com/article/77635716
306 citations

2016

04 **Conserved Noncoding Elements in the Most Distant Genera of Cephalochordates: The Goldilocks Principle.**
Genome Biology and Evolution · 8, 2387-405
https://exaly.com/article/63559301
23 citations

05 **Chromosome-Scale Shotgun Assembly Using an in Vitro Method for Long-Range Linkage**
Genome Research · 26, 342-350
https://exaly.com/article/64035808
619 citations

06 **Genome Evolution in the Allotetraploid Frog Xenopus laevis**
Nature · 538, 336-343
https://exaly.com/article/64778173
831 citations

07 **Low Coverage Sequencing of Three Echinoderm Genomes: The Brittle Star Ophionereis fasciata, the Sea Star Patiriella Regularis, and the Sea Cucumber Australostichopus mollis.**
GigaScience · 5, 20
https://exaly.com/article/64931283
26 citations

08 **Timing and Scope of Genomic Expansion Within Annelida: Evidence From Homeoboxes in the Genome of the Earthworm Eisenia fetida.**
Genome Biology and Evolution · 8, 271-81
https://exaly.com/article/65246294
43 citations

Ordered by publication year, newest first

2015

09 **Evolution of the Perlecan/HSPG2 Gene and Its Activation in Regenerating Nematostella vectensis** — 26 citations

PLoS ONE · 10, e0124578

https://exaly.com/article/61038596

10 **Hemichordate Genomes and Deuterostome Origins** — 215 citations

Nature · 527, 459-465

https://exaly.com/article/62747922

2014

11 **The Transcriptome of an Amphioxus, Asymmetron lucayanum, From the Bahamas: A Window Into Chordate Evolution.** — 64 citations

Genome Biology and Evolution · 6, 2681-96

https://exaly.com/article/57645733

12 **Evolutionary Profiling Reveals the Heterogeneous Origins of Classes of Human Disease Genes: Implications for Modeling Disease Genetics in Animals** — 37 citations

BMC Evolutionary Biology · 14, 1-18

https://exaly.com/article/58437096

13 **Joint Assembly and Genetic Mapping of the Atlantic Horseshoe Crab Genome Reveals Ancient Whole Genome Duplication.** — 90 citations

GigaScience · 3, 9

https://exaly.com/article/59392002

2013

14 **The Genome of the Ctenophore Mnemiopsis leidyi and Its Implications for Cell Type Evolution** — 563 citations

Science · 342, 1242592

https://exaly.com/article/55156596

15 **Insights Into Bilaterian Evolution From Three Spiralian Genomes** — 542 citations

Nature · 493, 526-531

https://exaly.com/article/55437401

2012

16 **Phytozome: A Comparative Platform for Green Plant Genomics.** — 4,624 citations

Nucleic Acids Research · 40, D1178-86

https://exaly.com/article/52623328

Ordered by publication year, newest first

2011

17 **Comparative Genomics of the Social Amoebae Dictyostelium discoideum and Dictyostelium purpureum** — 149 citations

Genome Biology · 12, 1-23

https://exaly.com/article/50203423

18 **The 2nd DBCLS BioHackathon: Interoperable Bioinformatics Web Services for Integrated Applications** — 17 citations

Journal of Biomedical Semantics · 2, 1-18

https://exaly.com/article/51144391

19 **Constraints on Genes Shape Long-Term Conservation of Macro-Synteny in Metazoan Genomes** — 29 citations

BMC Bioinformatics · 12, 1-12

https://exaly.com/article/51446803

2010

20 **The Dynamic Genome of Hydra** — 711 citations

Nature · 464, 592-596

https://exaly.com/article/48503128

21 **The Amphimedon queenslandica Genome and the Evolution of Animal Complexity** — 914 citations

Nature · 466, 720-726

https://exaly.com/article/48503491

22 **The Genome of the Western Clawed Frog Xenopus tropicalis** — 747 citations

Science · 328, 633-6

https://exaly.com/article/49269370

2009

23 **Domain Shuffling and the Evolution of Vertebrates** — 79 citations

Genome Research · 19, 1393-1403

https://exaly.com/article/45802142

2008

24 **The Genome of the Choanoflagellate Monosiga brevicollis and the Origin of Metazoans** — 1,008 citations

Nature · 451, 783-788

https://exaly.com/article/43645070

25 **The Amphioxus Genome and the Evolution of the Chordate Karyotype** — 1,452 citations

Nature · 453, 1064-1071

https://exaly.com/article/43645321

Ordered by publication year, newest first

2008 / continued

26 The Trichoplax Genome and the Nature of Placozoans
803 citations
Nature · 454, 955-960
https://exaly.com/article/43645531

27 Genome Sequencing and Analysis of the Biomass-Degrading Fungus Trichoderma reesei (Syn. Hypocrea jecorina)
1,158 citations
Nature Biotechnology · 26, 553-560
https://exaly.com/article/43659046

28 The Amphioxus Genome Illuminates Vertebrate Origins and Cephalochordate Biology
451 citations
Genome Research · 18, 1100-1111
https://exaly.com/article/44524619

2007

29 The Tiny Eukaryote Ostreococcus Provides Genomic Insights Into the Paradox of Plankton Speciation
579 citations
Proceedings of the National Academy of Sciences of the United States of America · 104, 7705-7710
https://exaly.com/article/41336740

30 Sea Anemone Genome Reveals Ancestral Eumetazoan Gene Repertoire and Genomic Organization
1,386 citations
Science · 317, 86-94
https://exaly.com/article/42102627

31 A Physical Map of the Highly Heterozygous Populus Genome: Integration With the Genome Sequence and Genetic Map and Analysis of Haplotype Variation
72 citations
Plant Journal · 50, 1063-1078
https://exaly.com/article/42871664

32 Comparative Pair-Wise Domain-Combinations for Screening the Clade Specific Domain-Architectures in Metazoan Genomes
0 citations
Journal unavailable
https://exaly.com/article/95339361

2006

33 Chromosomal Mapping of 170 BAC Clones in the Ascidian Ciona intestinalis
44 citations
Genome Research · 16, 297-303
https://exaly.com/article/39001932

Ordered by publication year, newest first

2006 / continued

34 **Phytophthora Genome Sequences Uncover Evolutionary Origins and Mechanisms of Pathogenesis**
992 citations
Science · 313, 1261-6
https://exaly.com/article/39823031

35 **Computational Analysis of the Phanerochaete chrysosporium v2.0 Genome Database and Mass Spectrometry Identification of Peptides in Ligninolytic Cultures Reveal Complex Mixtures of Secreted Proteins**
143 citations
Fungal Genetics and Biology · 43, 343-356
https://exaly.com/article/39853701

36 **Metagenomic Analysis of Two Enhanced Biological Phosphorus Removal (EBPR) Sludge Communities**
655 citations
Nature Biotechnology · 24, 1263-1269
https://exaly.com/article/40433235

37 **Genomic Analysis of the Uncultivated Marine Crenarchaeote Cenarchaeum symbiosum**
405 citations
Proceedings of the National Academy of Sciences of the United States of America · 103, 18296-18301
https://exaly.com/article/40570258

38 **The Genome of Black Cottonwood, Populus trichocarpa (Torr. & Gray)**
4,010 citations
Science · 313, 1596-604
https://exaly.com/article/40604297

2004

39 **Genome Sequence of the Lignocellulose Degrading Fungus Phanerochaete chrysosporium Strain RP78**
840 citations
Nature Biotechnology · 22, 695-700
https://exaly.com/article/36808008

40 **The Genome of the Diatom Thalassiosira pseudonana: Ecology, Evolution, and Metabolism**
1,915 citations
Science · 306, 79-86
https://exaly.com/article/36949990

41 **Reverse Methanogenesis: Testing the Hypothesis With Environmental Genomics**
613 citations
Science · 305, 1457-62
https://exaly.com/article/37417349

Ordered by publication year, newest first

2002

42 **Whole-Genome Shotgun Assembly and Analysis of the Genome of Fugu Rubripes**

Science · 297, 1301-10

https://exaly.com/article/34074205

1,443 citations

43 **The Draft Genome of Ciona intestinalis: Insights Into Chordate and Vertebrate Origins**

Science · 298, 2157-67

https://exaly.com/article/34128503

1,513 citations

End of list · 43 articles. Citation counts use Exaly’s peer-reviewed cohort.