

Nicholas H Putnam

List of Publications by Year in descending order

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43
papers

30,955
citations

101384

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44
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docs citations

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times ranked

31706
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards complete and error-free genome assemblies of all vertebrate species. <i>Nature</i> , 2021, 592, 737-746.	13.7	1,139
2	Genome biology of the paleotetraploid perennial biomass crop <i>Miscanthus</i> . <i>Nature Communications</i> , 2020, 11, 5442.	5.8	67
3	Deeply conserved synteny resolves early events in vertebrate evolution. <i>Nature Ecology and Evolution</i> , 2020, 4, 820-830.	3.4	250
4	Structural Variation Detection by Proximity Ligation from Formalin-Fixed, Paraffin-Embedded Tumor Tissue. <i>Journal of Molecular Diagnostics</i> , 2019, 21, 375-383.	1.2	10
5	Conserved Noncoding Elements in the Most Distant Genera of Cephalochordates: The Goldilocks Principle. <i>Genome Biology and Evolution</i> , 2016, 8, 2387-2405.	1.1	23
6	Chromosome-scale shotgun assembly using an in vitro method for long-range linkage. <i>Genome Research</i> , 2016, 26, 342-350.	2.4	679
7	Genome evolution in the allotetraploid frog <i>Xenopus laevis</i> . <i>Nature</i> , 2016, 538, 336-343.	13.7	849
8	Low coverage sequencing of three echinoderm genomes: the brittle star <i>Ophionereis fasciata</i> , the sea star <i>Patiriella regularis</i> , and the sea cucumber <i>Australostichopus mollis</i> . <i>GigaScience</i> , 2016, 5, 20.	3.3	33
9	Timing and Scope of Genomic Expansion within Annelida: Evidence from Homeoboxes in the Genome of the Earthworm <i>Eisenia fetida</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 271-281.	1.1	45
10	Evolution of the Perlecan/HSPG2 Gene and Its Activation in Regenerating <i>Nematostella vectensis</i> . <i>PLoS ONE</i> , 2015, 10, e0124578.	1.1	22
11	Hemichordate genomes and deuterostome origins. <i>Nature</i> , 2015, 527, 459-465.	13.7	217
12	The Transcriptome of an Amphioxus, <i>Asymmetron lucayanum</i> , from the Bahamas: A Window into Chordate Evolution. <i>Genome Biology and Evolution</i> , 2014, 6, 2681-2696.	1.1	72
13	Evolutionary profiling reveals the heterogeneous origins of classes of human disease genes: implications for modeling disease genetics in animals. <i>BMC Evolutionary Biology</i> , 2014, 14, 212.	3.2	40
14	Joint assembly and genetic mapping of the Atlantic horseshoe crab genome reveals ancient whole genome duplication. <i>GigaScience</i> , 2014, 3, 9.	3.3	86
15	The Genome of the Ctenophore <i>Mnemiopsis leidyi</i> and Its Implications for Cell Type Evolution. <i>Science</i> , 2013, 342, 1242-592.	6.0	570
16	Insights into bilaterian evolution from three spiralian genomes. <i>Nature</i> , 2013, 493, 526-531.	13.7	564
17	Phytozome: a comparative platform for green plant genomics. <i>Nucleic Acids Research</i> , 2012, 40, D1178-D1186.	6.5	4,204
18	Comparative genomics of the social amoebae <i>Dictyostelium discoideum</i> and <i>Dictyostelium purpureum</i> . <i>Genome Biology</i> , 2011, 12, R20.	13.9	141

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19	The 2nd DBCLS BioHackathon: interoperable bioinformatics Web services for integrated applications. <i>Journal of Biomedical Semantics</i> , 2011, 2, 4.	0.9	19
20	Constraints on genes shape long-term conservation of macro-synteny in metazoan genomes. <i>BMC Bioinformatics</i> , 2011, 12, S11.	1.2	24
21	The dynamic genome of Hydra. <i>Nature</i> , 2010, 464, 592-596.	13.7	743
22	The Amphimedon queenslandica genome and the evolution of animal complexity. <i>Nature</i> , 2010, 466, 720-726.	13.7	917
23	The Genome of the Western Clawed Frog <i>Xenopus tropicalis</i> . <i>Science</i> , 2010, 328, 633-636.	6.0	708
24	Domain shuffling and the evolution of vertebrates. <i>Genome Research</i> , 2009, 19, 1393-1403.	2.4	86
25	The genome of the choanoflagellate <i>Monosiga brevicollis</i> and the origin of metazoans. <i>Nature</i> , 2008, 451, 783-788.	13.7	1,006
26	The amphioxus genome and the evolution of the chordate karyotype. <i>Nature</i> , 2008, 453, 1064-1071.	13.7	1,496
27	The <i>Trichoplax</i> genome and the nature of placozoans. <i>Nature</i> , 2008, 454, 955-960.	13.7	801
28	Genome sequencing and analysis of the biomass-degrading fungus <i>Trichoderma reesei</i> (syn. <i>Hypocrea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	9.4	1,116
29	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. <i>Genome Research</i> , 2008, 18, 1100-1111.	2.4	456
30	The tiny eukaryote <i>Ostreococcus</i> provides genomic insights into the paradox of plankton speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7705-7710.	3.3	563
31	Sea Anemone Genome Reveals Ancestral Eumetazoan Gene Repertoire and Genomic Organization. <i>Science</i> , 2007, 317, 86-94.	6.0	1,423
32	A physical map of the highly heterozygous <i>Populus</i> genome: integration with the genome sequence and genetic map and analysis of haplotype variation. <i>Plant Journal</i> , 2007, 50, 1063-1078.	2.8	70
33	Phytophthora Genome Sequences Uncover Evolutionary Origins and Mechanisms of Pathogenesis. <i>Science</i> , 2006, 313, 1261-1266.	6.0	1,059
34	Computational analysis of the <i>Phanerochaete chrysosporium</i> v2.0 genome database and mass spectrometry identification of peptides in ligninolytic cultures reveal complex mixtures of secreted proteins. <i>Fungal Genetics and Biology</i> , 2006, 43, 343-356.	0.9	134
35	Metagenomic analysis of two enhanced biological phosphorus removal (EBPR) sludge communities. <i>Nature Biotechnology</i> , 2006, 24, 1263-1269.	9.4	634
36	Genomic analysis of the uncultivated marine crenarchaeote <i>Cenarchaeum symbiosum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18296-18301.	3.3	420

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37	The Genome of Black Cottonwood, <i>Populus trichocarpa</i> (Torr. & Gray). <i>Science</i> , 2006, 313, 1596-1604.	6.0	3,945
38	Chromosomal mapping of 170 BAC clones in the ascidian <i>Ciona intestinalis</i> . <i>Genome Research</i> , 2005, 16, 297-303.	2.4	45
39	Genome sequence of the lignocellulose degrading fungus <i>Phanerochaete chrysosporium</i> strain RP78. <i>Nature Biotechnology</i> , 2004, 22, 695-700.	9.4	805
40	The Genome of the Diatom <i>Thalassiosira Pseudonana</i> : Ecology, Evolution, and Metabolism. <i>Science</i> , 2004, 306, 79-86.	6.0	1,862
41	Reverse Methanogenesis: Testing the Hypothesis with Environmental Genomics. <i>Science</i> , 2004, 305, 1457-1462.	6.0	624
42	Whole-Genome Shotgun Assembly and Analysis of the Genome of <i>Fugu rubripes</i> . <i>Science</i> , 2002, 297, 1301-1310.	6.0	1,432
43	The Draft Genome of <i>Ciona intestinalis</i> : Insights into Chordate and Vertebrate Origins. <i>Science</i> , 2002, 298, 2157-2167.	6.0	1,539