

# Vydianathan Ravi

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

7,553  
citations

236612

25  
h-index

243296

44  
g-index

48  
all docs

48  
docs citations

48  
times ranked

9837  
citing authors

#	ARTICLE	IF	CITATIONS
1	The map-based sequence of the rice genome. <i>Nature</i> , 2005, 436, 793-800.	13.7	3,365
2	Elephant shark genome provides unique insights into gnathostome evolution. <i>Nature</i> , 2014, 505, 174-179.	13.7	689
3	The African coelacanth genome provides insights into tetrapod evolution. <i>Nature</i> , 2013, 496, 311-316.	13.7	612
4	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. <i>Nature Genetics</i> , 2016, 48, 427-437.	9.4	545
5	An update on chloroplast genomes. <i>Plant Systematics and Evolution</i> , 2008, 271, 101-122.	0.3	277
6	Rapidly evolving fish genomes and teleost diversity. <i>Current Opinion in Genetics and Development</i> , 2008, 18, 544-550.	1.5	219
7	Evidence for at least six Hox clusters in the Japanese lamprey ( <i>Lethenteron japonicum</i> ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16044-16049.	3.3	202
8	The seahorse genome and the evolution of its specialized morphology. <i>Nature</i> , 2016, 540, 395-399.	13.7	186
9	The sequence of rice chromosomes 11 and 12, rich in disease resistance genes and recent gene duplications. <i>BMC Biology</i> , 2005, 3, 20.	1.7	158
10	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. <i>Nature Communications</i> , 2014, 5, 5594.	5.8	135
11	The Divergent Genomes of Teleosts. <i>Annual Review of Animal Biosciences</i> , 2018, 6, 47-68.	3.6	134
12	The Asian arowana ( <i>Scleropages formosus</i> ) genome provides new insights into the evolution of an early lineage of teleosts. <i>Scientific Reports</i> , 2016, 6, 24501.	1.6	89
13	Nanoconfined $\beta$ -Sheets Mechanically Reinforce the Supra-Biomolecular Network of Robust Squid Sucker Ring Teeth. <i>ACS Nano</i> , 2014, 8, 7170-7179.	7.3	88
14	Reconstruction of proto-vertebrate, proto-cyclostome and proto-gnathostome genomes provides new insights into early vertebrate evolution. <i>Nature Communications</i> , 2021, 12, 4489.	5.8	88
15	Elephant shark ( <i>Callorhynchus milii</i> ) provides insights into the evolution of Hox gene clusters in gnathostomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16327-16332.	3.3	74
16	Chromosome-level assembly of the horseshoe crab genome provides insights into its genome evolution. <i>Nature Communications</i> , 2020, 11, 2322.	5.8	57
17	The chloroplast genome of mulberry: complete nucleotide sequence, gene organization and comparative analysis. <i>Tree Genetics and Genomes</i> , 2006, 3, 49-59.	0.6	55
18	Structural and functional analysis of rice genome. <i>Journal of Genetics</i> , 2004, 83, 79-99.	0.4	53

#	ARTICLE	IF	CITATIONS
19	Sequence analysis of the long arm of rice chromosome 11 for rice-wheat synteny. <i>Functional and Integrative Genomics</i> , 2004, 4, 102-117.	1.4	44
20	Decoding the rice genome. <i>BioEssays</i> , 2006, 28, 421-432.	1.2	44
21	Sequencing of Pax6 Loci from the Elephant Shark Reveals a Family of Pax6 Genes in Vertebrate Genomes, Forged by Ancient Duplications and Divergences. <i>PLoS Genetics</i> , 2013, 9, e1003177.	1.5	40
22	A survey of ancient conserved non-coding elements in the PAX6 locus reveals a landscape of interdigitated cis-regulatory archipelagos. <i>Developmental Biology</i> , 2014, 387, 214-228.	0.9	36
23	An ancient genomic regulatory block conserved across bilaterians and its dismantling in tetrapods by retrogene replacement. <i>Genome Research</i> , 2012, 22, 642-655.	2.4	35
24	The genome of the largest bony fish, ocean sunfish ( <i>Mola mola</i> ), provides insights into its fast growth rate. <i>GigaScience</i> , 2016, 5, 36.	3.3	32
25	Comparative genomics reveal shared genomic changes in syngnathid fishes and signatures of genetic convergence with placental mammals. <i>National Science Review</i> , 2020, 7, 964-977.	4.6	32
26	Seadragon genome analysis provides insights into its phenotype and sex determination locus. <i>Science Advances</i> , 2021, 7, .	4.7	32
27	Whole Genome Sequence of the Rifamycin B-Producing Strain <i>Amycolatopsis mediterranei</i> S699. <i>Journal of Bacteriology</i> , 2011, 193, 5562-5563.	1.0	26
28	Lampreys, the jawless vertebrates, contain three Pax6 genes with distinct expression in eye, brain and pancreas. <i>Scientific Reports</i> , 2019, 9, 19559.	1.6	23
29	Repertoire of leaf expressed sequence tags (ESTs) and partial characterization of stress-related and membrane transporter genes from mulberry ( <i>Morus indica</i> L.). <i>Tree Genetics and Genomes</i> , 2009, 5, 359-374.	0.6	20
30	Chromosome-level genome assembly of the coastal horseshoe crab ( <i>Tachypleus gigas</i> ). <i>Molecular Ecology Resources</i> , 2020, 20, 1748-1760.	2.2	20
31	Lampreys, the jawless vertebrates, contain only two ParaHox gene clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9146-9151.	3.3	18
32	Rosales sister to Fabales: Towards resolving the rosid puzzle. <i>Molecular Phylogenetics and Evolution</i> , 2007, 44, 488-493.	1.2	16
33	Discovery of a genetic module essential for assigning left-right asymmetry in humans and ancestral vertebrates. <i>Nature Genetics</i> , 2022, 54, 62-72.	9.4	16
34	A chromosome-level genome assembly of the Asian arowana, <i>Scleropages formosus</i> . <i>Scientific Data</i> , 2016, 3, 160105.	2.4	13
35	Identification of three somatostatin genes in lampreys. <i>General and Comparative Endocrinology</i> , 2016, 237, 89-97.	0.8	13
36	Identification and Comparative Analysis of the Protocadherin Cluster in a Reptile, the Green Anole Lizard. <i>PLoS ONE</i> , 2009, 4, e7614.	1.1	11

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37	Conservation as well as divergence in Mcidas function underlies the differentiation of multiciliated cells in vertebrates. <i>Developmental Biology</i> , 2020, 465, 168-177.	0.9	10
38	Cyclostomes Lack Clustered Protocadherins. <i>Molecular Biology and Evolution</i> , 2016, 33, 311-315.	3.5	8
39	Antigen receptor repertoires of one of the smallest known vertebrates. <i>Science Advances</i> , 2021, 7, .	4.7	8
40	Basal Vertebrates Clarify the Evolutionary History of Ciliopathy-Associated Genes Tmem138 and Tmem216. <i>Molecular Biology and Evolution</i> , 2013, 30, 62-65.	3.5	5
41	On the origin of SCPP genes. <i>Evolution &amp; Development</i> , 2014, 16, 125-126.	1.1	4
42	<i>Carcinoscorpius rotundicauda</i> (mangrove horseshoe crab). <i>Trends in Genetics</i> , 2022, , .	2.9	0