Vydianathan Ravi

List of Publications by Year
in descending order

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	Discovery of a genetic module essential for assigning leftâ€“right asymmetry in humans and ancestral vertebrates. Nature Genetics, 2022, 54, 62-72.	9.4	16
2	Carcinoscorpius rotundicauda (mangrove horseshoe crab). Trends in Genetics, 2022, , .	2.9	0
3	Antigen receptor repertoires of one of the smallest known vertebrates. Science Advances, 2021, 7, .	4.7	8
4	Reconstruction of proto-vertebrate, proto-cyclostome and proto-gnathostome genomes provides new insights into early vertebrate evolution. Nature Communications, 2021, 12, 4489.	5.8	88
5	Seadragon genome analysis provides insights into its phenotype and sex determination locus. Science Advances, 2021, 7, .	4.7	32
6	Comparative genomics reveal shared genomic changes in syngnathid fishes and signatures of genetic convergence with placental mammals. National Science Review, 2020, 7, 964-977.	4.6	32
7	Chromosomeâ€level genome assembly of the coastal horseshoe crab (Tachypleus gigas). Molecular Ecology Resources, 2020, 20, 1748-1760.	2.2	20
8	Conservation as well as divergence in Mcidas function underlies the differentiation of multiciliated cells in vertebrates. Developmental Biology, 2020, 465, 168-177.	0.9	10
9	Chromosome-level assembly of the horseshoe crab genome provides insights into its genome evolution. Nature Communications, 2020, 11, 2322.	5.8	57
10	Lampreys, the jawless vertebrates, contain three Pax6 genes with distinct expression in eye, brain and pancreas. Scientific Reports, 2019, 9, 19559.	1.6	23
11	The Divergent Genomes of Teleosts. Annual Review of Animal Biosciences, 2018, 6, 47-68.	3.6	134
12	Lampreys, the jawless vertebrates, contain only two ParaHox gene clusters. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9146-9151.	3.3	18
13	A chromosome-level genome assembly of the Asian arowana, Scleropages formosus. Scientific Data, 2016, 3, 160105.	2.4	13
14	The seahorse genome and the evolution of its specialized morphology. Nature, 2016, 540, 395-399.	13.7	186
15	The Asian arowana (Scleropages formosus) genome provides new insights into the evolution of an early lineage of teleosts. Scientific Reports, 2016, 6, 24501.	1.6	89
16	The genome of the largest bony fish, ocean sunfish (Mola mola), provides insights into its fast growth rate. GigaScience, 2016, 5, 36.	3.3	32
17	Identification of three somatostatin genes in lampreys. General and Comparative Endocrinology, 2016, 237, 89-97.	0.8	13
18	Cyclostomes Lack Clustered Protocadherins. Molecular Biology and Evolution, 2016, 33, 311-315.	3.5	8

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19	The spotted gar genome illuminates vertebrate evolution and facilitates human-teleost comparisons. Nature Genetics, 2016, 48, 427-437.	9.4	545
20	Mudskipper genomes provide insights into the terrestrial adaptation of amphibious fishes. Nature Communications, 2014, 5, 5594.	5.8	135
21	A survey of ancient conserved non-coding elements in the PAX6 locus reveals a landscape of interdigitated cis-regulatory archipelagos. Developmental Biology, 2014, 387, 214-228.	0.9	36
22	Elephant shark genome provides unique insights into gnathostome evolution. Nature, 2014, 505, 174-179.	13.7	689
23	Nanoconfined Î²-Sheets Mechanically Reinforce the Supra-Biomolecular Network of Robust Squid Sucker Ring Teeth. ACS Nano, 2014, 8, 7170-7179.	7.3	88
24	On the origin of SCPP genes. Evolution & Development, 2014, 16, 125-126.	1.1	4
25	The African coelacanth genome provides insights into tetrapod evolution. Nature, 2013, 496, 311-316.	13.7	612
26	Sequencing of Pax6 Loci from the Elephant Shark Reveals a Family of Pax6 Genes in Vertebrate Genomes, Forged by Ancient Duplications and Divergences. PLoS Genetics, 2013, 9, e1003177.	1.5	40
27	Evidence for at least six Hox clusters in the Japanese lamprey (Lethenteron japonicum). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16044-16049.	3.3	202
28	Basal Vertebrates Clarify the Evolutionary History of Ciliopathy-Associated Genes Tmem138 and Tmem216. Molecular Biology and Evolution, 2013, 30, 62-65.	3.5	5
29	An ancient genomic regulatory block conserved across bilaterians and its dismantling in tetrapods by retrogene replacement. Genome Research, 2012, 22, 642-655.	2.4	35
30	Whole Genome Sequence of the Rifamycin B-Producing Strain Amycolatopsis mediterranei S699. Journal of Bacteriology, 2011, 193, 5562-5563.	1.0	26
31	Elephant shark (Callorhinchus milii) provides insights into the evolution of Hox gene clusters in gnathostomes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16327-16332.	3.3	74
32	Repertoire of leaf expressed sequence tags (ESTs) and partial characterization of stress-related and membrane transporter genes from mulberry (Morus indica L.). Tree Genetics and Genomes, 2009, 5, 359-374.	0.6	20
33	Identification and Comparative Analysis of the Protocadherin Cluster in a Reptile, the Green Anole Lizard. PLoS ONE, 2009, 4, e7614.	1.1	11
34	An update on chloroplast genomes. Plant Systematics and Evolution, 2008, 271, 101-122.	0.3	277
35	Rapidly evolving fish genomes and teleost diversity. Current Opinion in Genetics and Development, 2008, 18, 544-550.	1.5	219
36	Rosales sister to Fabales: Towards resolving the rosid puzzle. Molecular Phylogenetics and Evolution, 2007, 44, 488-493.	1.2	16

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37	The chloroplast genome of mulberry: complete nucleotide sequence, gene organization and comparative analysis. Tree Genetics and Genomes, 2006, 3, 49-59.	0.6	55
38	Decoding the rice genome. BioEssays, 2006, 28, 421-432.	1.2	44
39	The map-based sequence of the rice genome. Nature, 2005, 436, 793-800.	13.7	3,365
40	The sequence of rice chromosomes 11 and 12, rich in disease resistance genes and recent gene duplications. BMC Biology, 2005, 3, 20.	1.7	158
41	Sequence analysis of the long arm of rice chromosome 11 for rice?wheat synteny. Functional and Integrative Genomics, 2004, 4, 102-117.	1.4	44
42	Structural and functional analysis of rice genome. Journal of Genetics, 2004, 83, 79-99.	0.4	53