

# Alaguraj Veluchamy

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

3,057  
citations

257450

24  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

5014  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the biological behavior of Heat shock protein (HSPs) for understanding the Anti-ischemic stroke in humans. <i>Journal of Infection and Public Health</i> , 2022, 15, 379-388.	4.1	0
2	Evaluating the structural and immune mechanism of Interleukin-6 for the investigation of goat milk peptides as potential treatments for COVID-19. <i>Journal of King Saud University - Science</i> , 2022, 34, 101924.	3.5	6
3	Genome wide natural variation of H3K27me3 selectively marks genes predicted to be important for cell differentiation in <i>Phaeodactylum tricornutum</i> . <i>New Phytologist</i> , 2021, 229, 3208-3220.	7.3	19
4	Information theoretic perspective on genome clustering. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 1867-1889.	3.8	2
5	A genomics approach reveals the global genetic polymorphism, structure, and functional diversity of ten accessions of the marine model diatom <i>Phaeodactylum tricornutum</i> . <i>ISME Journal</i> , 2020, 14, 347-363.	9.8	50
6	Genome-enabled phylogenetic and functional reconstruction of an araphid pennate diatom <i>Plagiosiriata</i> sp. CCMP470, previously assigned as a radial centric diatom, and its bacterial commensal. <i>Scientific Reports</i> , 2020, 10, 9449.	3.3	25
7	GCN5 modulates salicylic acid homeostasis by regulating H3K14ac levels at the 5' and 3' ends of its target genes. <i>Nucleic Acids Research</i> , 2020, 48, 5953-5966.	14.5	44
8	Probing the Diversity of Polycomb and Trithorax Proteins in Cultured and Environmentally Sampled Microalgae. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	26
9	Alternative splicing and allosteric regulation modulate the chromatin binding of UHRF1. <i>Nucleic Acids Research</i> , 2020, 48, 7728-7747.	14.5	16
10	R-Loop Mediated trans Action of the APOLO Long Noncoding RNA. <i>Molecular Cell</i> , 2020, 77, 1055-1065.e4.	9.7	164
11	Wheat chromatin architecture is organized in genome territories and transcription factories. <i>Genome Biology</i> , 2020, 21, 104.	8.8	99
12	INDETERMINATE-DOMAIN 4 (IDD4) coordinates immune responses with plant-growth in <i>Arabidopsis thaliana</i> . <i>PLoS Pathogens</i> , 2019, 15, e1007499.	4.7	17
13	Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. <i>Global Biogeochemical Cycles</i> , 2019, 33, 391-419.	4.9	76
14	Thermopriming triggers splicing memory in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2018, 69, 2659-2675.	4.8	119
15	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . <i>Nature</i> , 2017, 541, 536-540.	27.8	332
16	Ploidy-dependent changes in the epigenome of symbiotic cells correlate with specific patterns of gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4543-4548.	7.1	50
17	<i>Arabidopsis</i> ATRX Modulates H3.3 Occupancy and Fine-Tunes Gene Expression. <i>Plant Cell</i> , 2017, 29, 1773-1793.	6.6	35
18	The <i>Arabidopsis</i> SWI/SNF protein BAF60 mediates seedling growth control by modulating DNA accessibility. <i>Genome Biology</i> , 2017, 18, 114.	8.8	53

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19	The quest for epigenetic regulation underlying unisexual flower development in <i>Cucumis melo</i> . <i>Epigenetics and Chromatin</i> , 2017, 10, 22.	3.9	27
20	MAPK-triggered chromatin reprogramming by histone deacetylase in plant innate immunity. <i>Genome Biology</i> , 2017, 18, 131.	8.8	73
21	Insights into global diatom distribution and diversity in the world's ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1516-25.	7.1	561
22	Put your 3D glasses on: plant chromatin is on show. <i>Journal of Experimental Botany</i> , 2016, 67, 3205-3221.	4.8	59
23	Reverse transcriptase genes are highly abundant and transcriptionally active in marine plankton assemblages. <i>ISME Journal</i> , 2016, 10, 1134-1146.	9.8	35
24	LHP1 Regulates H3K27me3 Spreading and Shapes the Three-Dimensional Conformation of the Arabidopsis Genome. <i>PLoS ONE</i> , 2016, 11, e0158936.	2.5	97
25	An integrative analysis of post-translational histone modifications in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>Genome Biology</i> , 2015, 16, 102.	8.8	107
26	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. <i>ELife</i> , 2015, 4, e06974.	6.0	198
27	A Novel Protein, Ubiquitous in Marine Phytoplankton, Concentrates Iron at the Cell Surface and Facilitates Uptake. <i>Current Biology</i> , 2015, 25, 364-371.	3.9	90
28	Oil Accumulation by the Oleaginous Diatom <i>Fistulifera solaris</i> as Revealed by the Genome and Transcriptome. <i>Plant Cell</i> , 2015, 27, 162-176.	6.6	149
29	Insights into the role of DNA methylation in diatoms by genome-wide profiling in <i>Phaeodactylum tricornutum</i> . <i>Nature Communications</i> , 2013, 4, 2091.	12.8	113
30	A Holistic Approach to Marine Eco-Systems Biology. <i>PLoS Biology</i> , 2011, 9, e1001177.	5.6	353
31	HNHDb: A database on pattern based classification of HNH domains reveals functional relevance of sequence patterns and domain associations.. <i>Bioinformatics</i> , 2009, 4, 80-83.	0.5	12
32	Identification of Prophages in Bacterial Genomes by Dinucleotide Relative Abundance Difference. <i>PLoS ONE</i> , 2007, 2, e1193.	2.5	44