

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	Insights into global diatom distribution and diversity in the world's ocean. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1516-25.	7.1	561
2	A Holistic Approach to Marine Eco-Systems Biology. PLoS Biology, 2011, 9, e1001177.	5.6	353
3	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . Nature, 2017, 541, 536-540.	27.8	332
4	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. ELife, 2015, 4, e06974.	6.0	198
5	R-Loop Mediated trans Action of the APOLO Long Noncoding RNA. Molecular Cell, 2020, 77, 1055-1065.e4.	9.7	164
6	Oil Accumulation by the Oleaginous Diatom <i>Fistulifera solaris</i> as Revealed by the Genome and Transcriptome. Plant Cell, 2015, 27, 162-176.	6.6	149
7	Thermoprimering triggers splicing memory in Arabidopsis. Journal of Experimental Botany, 2018, 69, 2659-2675.	4.8	119
8	Insights into the role of DNA methylation in diatoms by genome-wide profiling in <i>Phaeodactylum tricornutum</i> . Nature Communications, 2013, 4, 2091.	12.8	113
9	An integrative analysis of post-translational histone modifications in the marine diatom <i>Phaeodactylum tricornutum</i> . Genome Biology, 2015, 16, 102.	8.8	107
10	Wheat chromatin architecture is organized in genome territories and transcription factories. Genome Biology, 2020, 21, 104.	8.8	99
11	LHP1 Regulates H3K27me3 Spreading and Shapes the Three-Dimensional Conformation of the Arabidopsis Genome. PLoS ONE, 2016, 11, e0158936.	2.5	97
12	A Novel Protein, Ubiquitous in Marine Phytoplankton, Concentrates Iron at the Cell Surface and Facilitates Uptake. Current Biology, 2015, 25, 364-371.	3.9	90
13	Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. Global Biogeochemical Cycles, 2019, 33, 391-419.	4.9	76
14	MAPK-triggered chromatin reprogramming by histone deacetylase in plant innate immunity. Genome Biology, 2017, 18, 131.	8.8	73
15	Put your 3D glasses on: plant chromatin is on show. Journal of Experimental Botany, 2016, 67, 3205-3221.	4.8	59
16	The Arabidopsis SWI/SNF protein BAF60 mediates seedling growth control by modulating DNA accessibility. Genome Biology, 2017, 18, 114.	8.8	53
17	Ploidy-dependent changes in the epigenome of symbiotic cells correlate with specific patterns of gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4543-4548.	7.1	50
18	A genomics approach reveals the global genetic polymorphism, structure, and functional diversity of ten accessions of the marine model diatom <i>Phaeodactylum tricornutum</i> . ISME Journal, 2020, 14, 347-363.	9.8	50

#	ARTICLE	IF	CITATIONS
19	Identification of Prophages in Bacterial Genomes by Dinucleotide Relative Abundance Difference. PLoS ONE, 2007, 2, e1193.	2.5	44
20	GCN5 modulates salicylic acid homeostasis by regulating H3K14ac levels at the 5' and 3' ends of its target genes. Nucleic Acids Research, 2020, 48, 5953-5966.	14.5	44
21	Reverse transcriptase genes are highly abundant and transcriptionally active in marine plankton assemblages. ISME Journal, 2016, 10, 1134-1146.	9.8	35
22	Arabidopsis ATRX Modulates H3.3 Occupancy and Fine-Tunes Gene Expression. Plant Cell, 2017, 29, 1773-1793.	6.6	35
23	The quest for epigenetic regulation underlying unisexual flower development in Cucumis melo. Epigenetics and Chromatin, 2017, 10, 22.	3.9	27
24	Probing the Diversity of Polycomb and Trithorax Proteins in Cultured and Environmentally Sampled Microalgae. Frontiers in Marine Science, 2020, 7, .	2.5	26
25	Genome-enabled phylogenetic and functional reconstruction of an araphid pennate diatom Plagiosiriata sp. CCMP470, previously assigned as a radial centric diatom, and its bacterial commensal. Scientific Reports, 2020, 10, 9449.	3.3	25
26	Genome wide natural variation of H3K27me3 selectively marks genes predicted to be important for cell differentiation in <i>Phaeodactylum tricornutum</i> . New Phytologist, 2021, 229, 3208-3220.	7.3	19
27	INDETERMINATE-DOMAIN 4 (IDD4) coordinates immune responses with plant-growth in Arabidopsis thaliana. PLoS Pathogens, 2019, 15, e1007499.	4.7	17
28	Alternative splicing and allosteric regulation modulate the chromatin binding of UHRF1. Nucleic Acids Research, 2020, 48, 7728-7747.	14.5	16
29	HNHDb: A database on pattern based classification of HNH domains reveals functional relevance of sequence patterns and domain associations.. Bioinformatics, 2009, 4, 80-83.	0.5	12
30	Evaluating the structural and immune mechanism of Interleukin-6 for the investigation of goat milk peptides as potential treatments for COVID-19. Journal of King Saud University - Science, 2022, 34, 101924.	3.5	6
31	Information theoretic perspective on genome clustering. Saudi Journal of Biological Sciences, 2021, 28, 1867-1889.	3.8	2
32	Exploring the biological behavior of Heat shock protein (HSPs) for understanding the Anti-ischemic stroke in humans. Journal of Infection and Public Health, 2022, 15, 379-388.	4.1	0