Eugene V Shakirov

List of Publications by Year
in descending order

34 papers	3,046 citations	394421 19 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	4492 citing authors

#	Article	IF	Citations
1	The draft genome of the transgenic tropical fruit tree papaya (Carica papaya Linnaeus). Nature, 2008, 452, 991-996.	27.8	964
2	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
3	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me3, Transposons, and Constitutive Heterochromatin. Current Biology, 2020, 30, 573-588.e7.	3.9	160
4	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass. Nature, 2021, 590, 438-444.	27.8	144
5	The <i>Arabidopsis</i> Pot1 and Pot2 Proteins Function in Telomere Length Homeostasis and Chromosome End Protection. Molecular and Cellular Biology, 2005, 25, 7725-7733.	2.3	113
6	The genomic landscape of molecular responses to natural drought stress in Panicum hallii. Nature Communications, 2018, 9, 5213.	12.8	101
7	Length Regulation and Dynamics of Individual Telomere Tracts in Wild-Type Arabidopsis. Plant Cell, 2004, 16, 1959-1967.	6.6	100
8	Arabidopsis POT1 associates with the telomerase RNP and is required for telomere maintenance. EMBO Journal, 2007, 26, 3653-3661.	7.8	88
9	A C-terminal Myb Extension Domain Defines a Novel Family of Double-strand Telomeric DNA-binding Proteins in Arabidopsis. Journal of Biological Chemistry, 2004, 279, 47799-47807.	3.4	77
10	Drought responsive gene expression regulatory divergence between upland and lowland ecotypes of a perennial C₄grass. Genome Research, 2016, 26, 510-518.	5.5	52
11	Promises and challenges of eco-physiological genomics in the field: tests of drought responses in switchgrass. Plant Physiology, 2016, 172, pp.00545.2016.	4.8	46
12	Novel Glucose-1-Phosphatase with High Phytase Activity and Unusual Metal Ion Activation from Soil Bacterium Pantoea sp. Strain 3.5.1. Applied and Environmental Microbiology, 2015, 81, 6790-6799.	3.1	45
13	Glutamyl endopeptidase of Bacillus intermedius , strain 3-19. FEBS Letters, 1997, 404, 241-244.	2.8	37
14	Microbial Phytases and Phytate: Exploring Opportunities for Sustainable Phosphorus Management in Agriculture. American Journal of Molecular Biology, 2017, 07, 11-29.	0.3	32
15	Protection of Telomeres 1 Is Required for Telomere Integrity in the Moss <i>Physcomitrella patens</i> Â. Plant Cell, 2010, 22, 1838-1848.	6.6	31
16	POT1 proteins in green algae and land plants: DNA-binding properties and evidence of co-evolution with telomeric DNA. Nucleic Acids Research, 2009, 37, 7455-7467.	14.5	30
17	POT1â€independent singleâ€strand telomeric DNA binding activities in Brassicaceae. Plant Journal, 2009, 58, 1004-1015.	5.7	29
18	Natural variation in plant telomere length is associated with flowering time. Plant Cell, 2021, 33, 1118-1134.	6.6	29

#	ARTICLE	IF	CITATIONS
19	Different modes of <i>de novo</i> telomere formation by plant telomerases. Plant Journal, 2001, 26, 77-87.	5.7	26
20	Evolution of the Telomere-Associated Protein POT1a in Arabidopsis thaliana Is Characterized by Positive Selection to Reinforce Proteinâ€"Protein Interaction. Molecular Biology and Evolution, 2015, 32, 1329-1341.	8.9	26
21	Gene Networks and Chromatin and Transcriptional Regulation of the Phaseolin Promoter in Arabidopsis. Plant Cell, 2013, 25, 2601-2617.	6.6	20
22	Analysis of Carica papaya Telomeres and Telomere-Associated Proteins: Insights into the Evolution of Telomere Maintenance in Brassicales. Tropical Plant Biology, 2008, 1, 202-215.	1.9	17
23	Heterologous Expression of Secreted Bacterial BPP and HAP Phytases in Plants Stimulates Arabidopsis thaliana Growth on Phytate. Frontiers in Plant Science, 2018, 9, 186.	3.6	16
24	Components of the ribosome biogenesis pathway underlie establishment of telomere length set point in Arabidopsis. Nature Communications, 2019, 10, 5479.	12.8	16
25	Plant telomere biology: The green solution to the end-replication problem. Plant Cell, 2022, 34, 2492-2504.	6.6	14
26	Selaginella moellendorffii telomeres: conserved and unique features in an ancient land plant lineage. Frontiers in Plant Science, 2012, 3, 161.	3.6	10
27	Surprise ending. Nature Genetics, 2003, 33, 114-116.	21.4	8
28	Plasticity, pleiotropy and fitness tradeâ€offs in Arabidopsis genotypes with different telomere lengths. New Phytologist, 2022, 233, 1939-1952.	7.3	6
29	Non-Radioactive TRF Assay Modifications to Improve Telomeric DNA Detection Efficiency in Plants. BioNanoScience, 2016, 6, 325-328.	3.5	5
30	Histidine Acid Phytases of Microbial Origin. Microbiology, 2018, 87, 745-756.	1.2	4
31	Plant Telomeres. , 2012, , 143-191.		3
32	Stable Co-Cultivation of the Moss Physcomitrella patens with Human Cells in vitro as a New Approach to Support Metabolism of Diseased Alzheimer Cells. Journal of Alzheimer's Disease, 2019, 70, 75-89.	2.6	2
33	Selection of Efficient Taq DNA Polymerase to Optimize T-DNA Genotyping Method for Rapid Detection of Mutant Arabidopsis thaliana Plants. BioNanoScience, 2016, 6, 407-410.	3.5	1
34	<i>Arabidopsis thaliana</i> Metabolites Secreted by Roots during Plant Growth in Phosphorus-Limiting Conditions. American Journal of Plant Sciences, 2019, 10, 987-1001.	0.8	0