

Eugene V Shakirov

List of Publications by Year in descending order

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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	Plasticity, pleiotropy and fitness trade-offs in Arabidopsis genotypes with different telomere lengths. <i>New Phytologist</i> , 2022, 233, 1939-1952.	7.3	6
2	Plant telomere biology: The green solution to the end-replication problem. <i>Plant Cell</i> , 2022, 34, 2492-2504.	6.6	14
3	Natural variation in plant telomere length is associated with flowering time. <i>Plant Cell</i> , 2021, 33, 1118-1134.	6.6	29
4	Genomic mechanisms of climate adaptation in polyploid bioenergy switchgrass. <i>Nature</i> , 2021, 590, 438-444.	27.8	144
5	Chromatin Organization in Early Land Plants Reveals an Ancestral Association between H3K27me3, Transposons, and Constitutive Heterochromatin. <i>Current Biology</i> , 2020, 30, 573-588.e7.	3.9	160
6	Stable Co-Cultivation of the Moss <i>Physcomitrella patens</i> with Human Cells in vitro as a New Approach to Support Metabolism of Diseased Alzheimer Cells. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 75-89.	2.6	2
7	Components of the ribosome biogenesis pathway underlie establishment of telomere length set point in Arabidopsis. <i>Nature Communications</i> , 2019, 10, 5479.	12.8	16
8	<i>Arabidopsis thaliana&/i> Metabolites Secreted by Roots during Plant Growth in Phosphorus-Limiting Conditions. <i>American Journal of Plant Sciences</i> , 2019, 10, 987-1001.	0.8	0
9	The genomic landscape of molecular responses to natural drought stress in <i>Panicum hallii</i> . <i>Nature Communications</i> , 2018, 9, 5213.	12.8	101
10	Histidine Acid Phytases of Microbial Origin. <i>Microbiology</i> , 2018, 87, 745-756.	1.2	4
11	Heterologous Expression of Secreted Bacterial BPP and HAP Phytases in Plants Stimulates <i>Arabidopsis thaliana</i> Growth on Phytate. <i>Frontiers in Plant Science</i> , 2018, 9, 186.	3.6	16
12	Microbial Phytases and Phytate: Exploring Opportunities for Sustainable Phosphorus Management in Agriculture. <i>American Journal of Molecular Biology</i> , 2017, 07, 11-29.	0.3	32
13	Promises and challenges of eco-physiological genomics in the field: tests of drought responses in switchgrass. <i>Plant Physiology</i> , 2016, 172, pp.00545.2016.	4.8	46
14	Selection of Efficient Taq DNA Polymerase to Optimize T-DNA Genotyping Method for Rapid Detection of Mutant <i>Arabidopsis thaliana</i> Plants. <i>BioNanoScience</i> , 2016, 6, 407-410.	3.5	1
15	Non-Radioactive TRF Assay Modifications to Improve Telomeric DNA Detection Efficiency in Plants. <i>BioNanoScience</i> , 2016, 6, 325-328.	3.5	5
16	Drought responsive gene expression regulatory divergence between upland and lowland ecotypes of a perennial <i>C₄</i> grass. <i>Genome Research</i> , 2016, 26, 510-518.	5.5	52
17	Novel Glucose-1-Phosphatase with High Phytase Activity and Unusual Metal Ion Activation from Soil Bacterium <i>Pantoea</i> sp. Strain 3.5.1. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6790-6799.	3.1	45
18	Evolution of the Telomere-Associated Protein POT1a in <i>Arabidopsis thaliana</i> Is Characterized by Positive Selection to Reinforce Protein-Protein Interaction. <i>Molecular Biology and Evolution</i> , 2015, 32, 1329-1341.	8.9	26

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19	Gene Networks and Chromatin and Transcriptional Regulation of the Phaseolin Promoter in Arabidopsis. <i>Plant Cell</i> , 2013, 25, 2601-2617.	6.6	20
20	Selaginella moellendorffii telomeres: conserved and unique features in an ancient land plant lineage. <i>Frontiers in Plant Science</i> , 2012, 3, 161.	3.6	10
21	Plant Telomeres. , 2012, , 143-191.		3
22	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	12.6	794
23	Protection of Telomeres 1 Is Required for Telomere Integrity in the Moss <i>Physcomitrella patens</i> . <i>Plant Cell</i> , 2010, 22, 1838-1848.	6.6	31
24	POT1 proteins in green algae and land plants: DNA-binding properties and evidence of co-evolution with telomeric DNA. <i>Nucleic Acids Research</i> , 2009, 37, 7455-7467.	14.5	30
25	POT1-independent single-strand telomeric DNA binding activities in Brassicaceae. <i>Plant Journal</i> , 2009, 58, 1004-1015.	5.7	29
26	Analysis of Carica papaya Telomeres and Telomere-Associated Proteins: Insights into the Evolution of Telomere Maintenance in Brassicales. <i>Tropical Plant Biology</i> , 2008, 1, 202-215.	1.9	17
27	The draft genome of the transgenic tropical fruit tree papaya (<i>Carica papaya</i> Linnaeus). <i>Nature</i> , 2008, 452, 991-996.	27.8	964
28	Arabidopsis POT1 associates with the telomerase RNP and is required for telomere maintenance. <i>EMBO Journal</i> , 2007, 26, 3653-3661.	7.8	88
29	The <i>Arabidopsis</i> Pot1 and Pot2 Proteins Function in Telomere Length Homeostasis and Chromosome End Protection. <i>Molecular and Cellular Biology</i> , 2005, 25, 7725-7733.	2.3	113
30	Length Regulation and Dynamics of Individual Telomere Tracts in Wild-Type Arabidopsis. <i>Plant Cell</i> , 2004, 16, 1959-1967.	6.6	100
31	A C-terminal Myb Extension Domain Defines a Novel Family of Double-strand Telomeric DNA-binding Proteins in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2004, 279, 47799-47807.	3.4	77
32	Surprise ending. <i>Nature Genetics</i> , 2003, 33, 114-116.	21.4	8
33	Different modes of <i>de novo</i> telomere formation by plant telomerases. <i>Plant Journal</i> , 2001, 26, 77-87.	5.7	26
34	Glutamyl endopeptidase of <i>Bacillus intermedius</i> , strain 3-19. <i>FEBS Letters</i> , 1997, 404, 241-244.	2.8	37