

Oleg Moskvin

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,863
citations

361413

20
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

2472
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclic Diguanylate Is a Ubiquitous Signaling Molecule in Bacteria: Insights into Biochemistry of the GGDEF Protein Domain. <i>Journal of Bacteriology</i> , 2005, 187, 1792-1798.	2.2	509
2	Natural and Engineered Photoactivated Nucleotidyl Cyclases for Optogenetic Applications. <i>Journal of Biological Chemistry</i> , 2010, 285, 41501-41508.	3.4	194
3	Effects of PHENYLALANINE AMMONIA LYASE (PAL) knockdown on cell wall composition, biomass digestibility, and biotic and abiotic stress responses in <i>Brachypodium</i> . <i>Journal of Experimental Botany</i> , 2015, 66, 4317-4335.	4.8	146
4	NOTCH signaling specifies arterial-type definitive hemogenic endothelium from human pluripotent stem cells. <i>Nature Communications</i> , 2018, 9, 1828.	12.8	97
5	A photosystem II-associated carbonic anhydrase regulates the efficiency of photosynthetic oxygen evolution. <i>EMBO Journal</i> , 2002, 21, 1930-1938.	7.8	94
6	Construction and Validation of the <i>Rhodobacter sphaeroides</i> 2.4.1 DNA Microarray: Transcriptome Flexibility at Diverse Growth Modes. <i>Journal of Bacteriology</i> , 2004, 186, 4748-4758.	2.2	75
7	Transcriptome Analysis of the <i>Rhodobacter sphaeroides</i> PpsR Regulon: PpsR as a Master Regulator of Photosystem Development. <i>Journal of Bacteriology</i> , 2005, 187, 2148-2156.	2.2	66
8	Salt Stress-Induced Changes in the Transcriptome, Compatible Solutes, and Membrane Lipids in the Facultatively Phototrophic Bacterium <i>Rhodobacter sphaeroides</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 7551-7559.	3.1	63
9	Responses of the <i>Rhodobacter sphaeroides</i> Transcriptome to Blue Light under Semiaerobic Conditions. <i>Journal of Bacteriology</i> , 2004, 186, 7726-7735.	2.2	62
10	Genome Sequence and Analysis of a Stress-Tolerant, Wild-Derived Strain of <i>Saccharomyces cerevisiae</i> Used in Biofuels Research. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1757-1766.	1.8	61
11	Transcriptome and Physiological Responses to Hydrogen Peroxide of the Facultatively Phototrophic Bacterium <i>Rhodobacter sphaeroides</i> . <i>Journal of Bacteriology</i> , 2005, 187, 7232-7242.	2.2	59
12	Novel Heme-based Oxygen Sensor with a Revealing Evolutionary History. <i>Journal of Biological Chemistry</i> , 2007, 282, 28740-28748.	3.4	58
13	Identification and in vivo characterization of PpaA, a regulator of photosystem formation in <i>Rhodobacter sphaeroides</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 377-388.	1.8	49
14	Aromatic inhibitors derived from ammonia-pretreated lignocellulose hinder bacterial ethanologensis by activating regulatory circuits controlling inhibitor efflux and detoxification. <i>Frontiers in Microbiology</i> , 2014, 5, 402.	3.5	46
15	Carbonic Anhydrase Activities in Pea Thylakoids. <i>Photosynthesis Research</i> , 2004, 79, 93-100.	2.9	34
16	GATA2 Is Dispensable for Specification of Hemogenic Endothelium but Promotes Endothelial-to-Hematopoietic Transition. <i>Stem Cell Reports</i> , 2018, 11, 197-211.	4.8	33
17	Zebrafish <i>zic2</i> controls formation of periocular neural crest and choroid fissure morphogenesis. <i>Developmental Biology</i> , 2017, 429, 92-104.	2.0	32
18	Regulation of Hydrogen Peroxide-Dependent Gene Expression in <i>Rhodobacter sphaeroides</i> : Regulatory Functions of OxyR. <i>Journal of Bacteriology</i> , 2007, 189, 3784-3792.	2.2	31

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19	Light-induced stimulation of carbonic anhydrase activity in pea thylakoids. FEBS Letters, 2000, 470, 375-377.	2.8	25
20	UM171 expands distinct types of myeloid and NK progenitors from human pluripotent stem cells. Scientific Reports, 2019, 9, 6622.	3.3	21
21	Hierarchical Regulation of Photosynthesis Gene Expression by the Oxygen-Responsive PrrBA and AppA-PpsR Systems of Rhodobacter sphaeroides. Journal of Bacteriology, 2008, 190, 8106-8114.	2.2	20
22	Carbonic anhydrases in the C3 -plant leaf cell. Functional Plant Biology, 1998, 25, 673.	2.1	19
23	The PpaA/AerR Regulators of Photosynthesis Gene Expression from Anoxygenic Phototrophic Proteobacteria Contain Heme-Binding SCHIC Domains. Journal of Bacteriology, 2010, 192, 5253-5256.	2.2	17
24	Phosphorylation by Cyclin-Dependent Protein Kinase 5 Of The Regulatory Subunit (P β) Of Retinal cGMP Phosphodiesterase (PDE6): Its Implications In Phototransduction. Advances in Experimental Medicine and Biology, 2002, 514, 131-153.	1.6	17
25	Gut microbiome responses to dietary intervention with hypocholesterolemic vegetable oils. Npj Biofilms and Microbiomes, 2022, 8, 24.	6.4	11
26	Effects of Carbonic Anhydrase Inhibitors on Proton Exchange and Photosynthesis in Pea Protoplasts. Russian Journal of Plant Physiology, 2001, 48, 467-472.	1.1	10
27	Altered residues in key proteins influence the expression and activity of the nitrogenase complex in an adaptive CO ₂ fixation-deficient mutant strain of Rhodobacter sphaeroides. Microbiology (United Kingdom) 1 0.784384 rgBT Overloc		
28	Rhodobase, a meta-analytical tool for reconstructing gene regulatory networks in a model photosynthetic bacterium. BioSystems, 2011, 103, 125-131.	2.0	5