

# Olga A Koksharova

## List of Publications by Year in descending order

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37  
papers

1,131  
citations

567281

15  
h-index

395702

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1276  
citing authors

#	ARTICLE	IF	CITATIONS
1	ARC6 Is a J-Domain Plastid Division Protein and an Evolutionary Descendant of the Cyanobacterial Cell Division Protein Ftn2 [W]. <i>Plant Cell</i> , 2003, 15, 1918-1933.	6.6	237
2	Genetic tools for cyanobacteria. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 123-137.	3.6	191
3	A Novel Gene That Bears a DnaJ Motif Influences Cyanobacterial Cell Division. <i>Journal of Bacteriology</i> , 2002, 184, 5524-5528.	2.2	103
4	Genetic and biochemical evidence for distinct key functions of two highly divergent GAPDH genes in catabolic and anabolic carbon flow of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Plant Molecular Biology</i> , 1998, 36, 183-194.	3.9	98
5	Inhibitory and Toxic Effects of Volatiles Emitted by Strains of <i>Pseudomonas</i> and <i>Serratia</i> on Growth and Survival of Selected Microorganisms, <i>Caenorhabditis elegans</i> , and <i>Drosophila melanogaster</i> . <i>BioMed Research International</i> . 2014. 2014. 1-11.	1.9	98
6	HcwA, an Autolysin, Is Required for Heterocyst Maturation in <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2001, 183, 6841-6851.	2.2	46
7	EPR study of electron transport in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803: Oxygen-dependent interrelations between photosynthetic and respiratory electron transport chains. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005, 1708, 238-249.	1.0	36
8	Novel DNA-Binding Proteins in the Cyanobacterium <i>Anabaena</i> sp. Strain PCC 7120. <i>Journal of Bacteriology</i> , 2002, 184, 3931-3940.	2.2	32
9	Effect of nitrofurans and NO generators on biofilm formation by <i>Pseudomonas aeruginosa</i> PAO1 and <i>Burkholderia cenocepacia</i> 370. <i>Research in Microbiology</i> , 2009, 160, 353-357.	2.1	32
10	Comparative proteomics of cell division mutants and wild-type of <i>Synechococcus</i> sp. strain PCC 7942. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2505-2517.	1.8	25
11	Femtosecond Spectroscopy of Au Hot-Electron Injection into TiO <sub>2</sub> : Evidence for Au/TiO <sub>2</sub> Plasmon Photocatalysis by Bactericidal Au Ions and Related Phenomena. <i>Nanomaterials</i> , 2019, 9, 217.	4.1	25
12	Influence of volatile organic compounds emitted by <i>Pseudomonas</i> and <i>Serratia</i> strains on <i>Agrobacterium tumefaciens</i> biofilms. <i>Apmis</i> , 2016, 124, 586-594.	2.0	24
13	Ketones 2-heptanone, 2-nonanone, and 2-undecanone inhibit DnaK-dependent refolding of heat-inactivated bacterial luciferases in <i>Escherichia coli</i> cells lacking small chaperon IbpB. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5765-5771.	3.6	20
14	Stress effects of cyanotoxin Î²- <i>N</i> -methylamino- <i>L</i> -alanine (BMAA) on cyanobacterial heterocyst formation and functionality. <i>Environmental Microbiology Reports</i> , 2018, 10, 369-377.	2.4	19
15	The pleiotropic effects of ftn2 and ftn6 mutations in cyanobacterium <i>Synechococcus</i> sp. PCC 7942. <i>Protoplasma</i> , 2013, 250, 931-942.	2.1	15
16	Phylogeographic, toxicological and ecological evidence for the global distribution of <i>Raphidiopsis raciborskii</i> and its northernmost presence in Lake Nero, Central Western Russia. <i>Harmful Algae</i> , 2020, 98, 101889.	4.8	15
17	The First Proteomic Study of <i>Nostoc</i> sp. PCC 7120 Exposed to Cyanotoxin BMAA under Nitrogen Starvation. <i>Toxins</i> , 2020, 12, 310.	3.4	14
18	The Effect of Volatile Organic Compounds on Different Organisms: Agrobacteria, Plants and Insects. <i>Microorganisms</i> , 2022, 10, 69.	3.6	14

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19	The Cyanotoxin BMAA Induces Heterocyst Specific Gene Expression in <i>Anabaena</i> sp. PCC 7120 under Repressive Conditions. <i>Toxins</i> , 2018, 10, 478.	3.4	11
20	Application of molecular genetic and microbiological techniques in ecology and biotechnology of cyanobacteria. <i>Microbiology</i> , 2010, 79, 721-734.	1.2	10
21	Inhibition of cyanobacterial photosynthetic activity by natural ketones. <i>Journal of Phycology</i> , 2019, 55, 840-857.	2.3	10
22	Interaction of various types of photosystem I complexes with exogenous electron acceptors. <i>Photosynthesis Research</i> , 2017, 133, 175-184.	2.9	8
23	Proteomic Insights into Starvation of Nitrogen-Replete Cells of <i>Nostoc</i> sp. PCC 7120 under $\hat{2}$ -N-Methylamino-L-Alanine (BMAA) Treatment. <i>Toxins</i> , 2020, 12, 372.	3.4	8
24	$\hat{2}$ -N-Methylamino-L-Alanine (BMAA) Causes Severe Stress in <i>Nostoc</i> sp. PCC 7120 Cells under Diazotrophic Conditions: A Proteomic Study. <i>Toxins</i> , 2021, 13, 325.	3.4	7
25	The first protein map of <i>Synechococcus</i> sp. strain PCC 7942. <i>Microbiology</i> , 2006, 75, 664-672.	1.2	6
26	Molecular phylogeny of a green microalga isolated from White Sea sponge <i>Halichondria panicea</i> (Pallas, 1766). <i>Russian Journal of Plant Physiology</i> , 2013, 60, 536-540.	1.1	5
27	Molecular Identification and Ultrastructural and Phylogenetic Studies of Cyanobacteria from Association with the White Sea Hydroid <i>Dynamena pumila</i> (L., 1758). <i>BioMed Research International</i> , 2013, 1-11.	1.9	4
28	SprI/SprR Quorum Sensing System of <i>Serratia proteamaculans</i> 94. <i>BioMed Research International</i> , 2019, 1-10.	1.9	4
29	Removal of Antimicrobial Peptides from Aqueous Solutions Using Carbon Nanotubes. <i>Nanotechnologies in Russia</i> , 2018, 13, 443-447.	0.7	3
30	Biochemical and Molecular Phylogenetic Study of Agriculturally Useful Association of a Nitrogen-Fixing Cyanobacterium and Nodule<i>Sinorhizobium</i> with<i>Medicago sativa</i>. <i>BioMed Research International</i> , 2015, 2015, 1-16.	1.9	2
31	Cyanobacterial VOCs as Allelopathic Tools. , 2020, , 257-280.		2
32	Activation of bioluminescence of sensor <i>Escherichia coli</i> strains used to detect N-acyl-homoserine lactones in presence of nitrofurans and NO generators. <i>Molecular Genetics, Microbiology and Virology</i> , 2010, 25, 71-76.	0.3	1
33	Comparative and evolutionary aspects of cyanobacteria and plant plastid division study. <i>Russian Journal of Plant Physiology</i> , 2013, 60, 453-464.	1.1	1
34	Nanocomplexes on the basis of Taunit associated with biocides as effective anti-cyanobacterial agents. <i>Russian Journal of Plant Physiology</i> , 2017, 64, 833-838.	1.1	1
35	â€œEcological photobiologyâ€™ session of the Russian Photobiology Society 9th Congress (Shepsi,) Tj ETQq1 1 0.784314 rgBT /Overbo	3.2	1
36	Four New Genes of Cyanobacterium <i>Synechococcus elongatus</i> PCC 7942 Are Responsible for Sensitivity to 2-Nonanone. <i>Microorganisms</i> , 2020, 8, 1234.	3.6	0

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37	HepK, a protein-histidine kinase from the cyanobacterium <i>Anabaena</i> sp. strain PCC 7120, binds sequence-specifically to DNA. <i>Trends in Bacteriology</i> , 2014, 1, 3.	0.0	0