

# Svetlana Krystofova

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

2,394  
citations

687363

13  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2927  
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome sequence of the filamentous fungus <i>Neurospora crassa</i> . <i>Nature</i> , 2003, 422, 859-868.	27.8	1,528
2	Heterotrimeric G Protein Signaling in Filamentous Fungi. <i>Annual Review of Microbiology</i> , 2007, 61, 423-452.	7.3	317
3	Technical applications of plasma treatments: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5117-5129.	3.6	99
4	The Heterotrimeric G-Protein Subunits GNG-1 and GNB-1 Form a G $\alpha$ $\beta$ Dimer Required for Normal Female Fertility, Asexual Development, and G $\alpha$ Protein Levels in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2005, 4, 365-378.	3.4	78
5	Roles for Receptors, Pheromones, G Proteins, and Mating Type Genes During Sexual Reproduction in <i>Neurospora crassa</i> . <i>Genetics</i> , 2012, 190, 1389-1404.	2.9	59
6	High-Throughput Production of Gene Replacement Mutants in <i>Neurospora crassa</i> . <i>Methods in Molecular Biology</i> , 2011, 722, 179-189.	0.9	55
7	Cold plasma treatment triggers antioxidative defense system and induces changes in hyphal surface and subcellular structures of <i>Aspergillus flavus</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6647-6658.	3.6	49
8	Global Analysis of Predicted G Protein-Coupled Receptor Genes in the Filamentous Fungus, <i>Neurospora crassa</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2729-2743.	1.8	44
9	The Predicted G-Protein-Coupled Receptor GPR-1 Is Required for Female Sexual Development in the Multicellular Fungus <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2006, 5, 1503-1516.	3.4	37
10	RIC8 Is a Guanine-Nucleotide Exchange Factor for G $\alpha$ Subunits That Regulates Growth and Development in <i>Neurospora crassa</i> . <i>Genetics</i> , 2011, 189, 165-176.	2.9	34
11	Low-temperature plasma applications in chemical fungicide treatment reduction. <i>Acta Chimica Slovaca</i> , 2020, 13, 26-33.	0.8	18
12	Phenylethylamine Induces an Increase in Cytosolic Ca <sup>2+</sup> in Yeast. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1069-1074.	1.3	14
13	Genetic and Physical Interactions between G $\alpha$ Subunits and Components of the G $\alpha$ $\beta$ Dimer of Heterotrimeric G Proteins in <i>Neurospora crassa</i> . <i>Eukaryotic Cell</i> , 2012, 11, 1239-1248.	3.4	14
14	Development and Optimization of a High-Throughput Screening Assay for Rapid Evaluation of Lipstatin Production by <i>Streptomyces</i> Strains. <i>Current Microbiology</i> , 2018, 75, 580-587.	2.2	9
15	The effect of cold atmospheric pressure plasma on <i>Aspergillus ochraceus</i> and ochratoxin A production. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 1479-1488.	1.7	8
16	Glutamic acid decarboxylase gene disruption reveals signalling pathway(s) governing complex morphogenic and metabolic events in <i>Trichoderma atroviride</i> . <i>Antonie Van Leeuwenhoek</i> , 2013, 104, 793-807.	1.7	7
17	Ca <sup>2+</sup> fluxes in developing <i>Trichoderma viride</i> mycelium. <i>Canadian Journal of Microbiology</i> , 2000, 46, 312-324.	1.7	7
18	Transient excretion of succinate from <i>Trichoderma atroviride</i> submerged mycelia reveals the complex movements and metabolism of carboxylates. <i>Antonie Van Leeuwenhoek</i> , 2011, 100, 55-66.	1.7	6

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19	Non-thermal plasma induces changes in aflatoxin production, devitalization, and surface chemistry of <i>Aspergillus parasiticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2107-2119.	3.6	4
20	Aflatoxins: biosynthesis, prevention and eradication. <i>Acta Chimica Slovaca</i> , 2017, 10, 123-131.	0.8	3
21	Light-induced conidiation of <i>Trichoderma</i> spp. strains is accompanied by development-dependent changes in the Ca <sup>2+</sup> -binding to cell walls. <i>Canadian Journal of Microbiology</i> , 2018, 64, 856-864.	1.7	3
22	Disruption of GABA shunt affects <i>Trichoderma atroviride</i> response to nutritional and environmental stimuli. <i>Acta Chimica Slovaca</i> , 2016, 9, 109-113.	0.8	1
23	CRISPR/Cas in genome defense and gene editing. <i>Acta Chimica Slovaca</i> , 2016, 9, 68-74.	0.8	0
24	Functional dissection of $\hat{1}^3$ -aminobutyric acid metabolism in <i>Neurospora crassa</i> . <i>General Physiology and Biophysics</i> , 2020, 39, 205-218.	0.9	0