

# George Szakacs

## List of Publications by Year in descending order

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38  
papers

4,002  
citations

147801

31  
h-index

315739

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

4028  
citing authors

#	ARTICLE	IF	CITATIONS
1	An oligonucleotide barcode for species identification in <i>Trichoderma</i> and <i>Hypocrea</i> . <i>Fungal Genetics and Biology</i> , 2005, 42, 813-828.	2.1	366
2	Biosynthesis of silver nanoparticles using aqueous extract from the compactin producing fungal strain. <i>Process Biochemistry</i> , 2009, 44, 939-943.	3.7	314
3	Use of response surface methodology for optimizing process parameters for the production of $\alpha$ -amylase by <i>Aspergillus oryzae</i> . <i>Biochemical Engineering Journal</i> , 2003, 15, 107-115.	3.6	307
4	Evidence for Sexuality in the Opportunistic Fungal Pathogen <i>Aspergillus fumigatus</i> . <i>Current Biology</i> , 2005, 15, 1242-1248.	3.9	283
5	Comparative evaluation of neutral protease production by <i>Aspergillus oryzae</i> in submerged and solid-state fermentation. <i>Process Biochemistry</i> , 2005, 40, 2689-2694.	3.7	278
6	Production, purification and properties of microbial phytases. <i>Bioresource Technology</i> , 2001, 77, 203-214.	9.6	256
7	Phylogeny and evolution of the genus <i>Trichoderma</i> : a multigene approach. <i>Mycological Research</i> , 2002, 106, 757-767.	2.5	217
8	Genetic and metabolic diversity of <i>Trichoderma</i> : a case study on South-East Asian isolates. <i>Fungal Genetics and Biology</i> , 2003, 38, 310-319.	2.1	180
9	Process optimization for antifungal chitinase production by <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2004, 39, 1583-1590.	3.7	116
10	Comparative enzymatic hydrolysis of pretreated spruce by supernatants, whole fermentation broths and washed mycelia of <i>Trichoderma reesei</i> and <i>Trichoderma atroviride</i> . <i>Bioresource Technology</i> , 2009, 100, 1350-1357.	9.6	115
11	Comparison of phytase production on wheat bran and oilcakes in solid-state fermentation by <i>Mucor racemosus</i> . <i>Bioresource Technology</i> , 2006, 97, 506-511.	9.6	106
12	The <i>Longibrachiatum</i> Clade of <i>Trichoderma</i> : a revision with new species. <i>Fungal Diversity</i> , 2012, 55, 77-108.	12.3	100
13	Enzymatic hydrolysis of steam-pretreated lignocellulosic materials with <i>Trichoderma atroviride</i> enzymes produced in-house. <i>Biotechnology for Biofuels</i> , 2009, 2, 14.	6.2	94
14	Mixed substrate fermentation for the production of phytase by <i>Rhizopus</i> spp. using oilcakes as substrates. <i>Process Biochemistry</i> , 2005, 40, 1749-1754.	3.7	93
15	Low Genetic Variation and No Detectable Population Structure in <i>Aspergillus fumigatus</i> Compared to Closely Related <i>Neosartorya</i> Species. <i>Eukaryotic Cell</i> , 2006, 5, 650-657.	3.4	93
16	Extracellular chitinase production by <i>Trichoderma harzianum</i> in submerged fermentation. <i>Journal of Basic Microbiology</i> , 2004, 44, 49-58.	3.3	81
17	Molecular identification of <i>Trichoderma</i> species from Russia, Siberia and the Himalaya. <i>Mycological Research</i> , 2000, 104, 1117-1125.	2.5	79
18	Production of Phytase by <i>Mucor racemosus</i> in Solid-State Fermentation. <i>Biotechnology Progress</i> , 2003, 19, 312-319.	2.6	79

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19	Trichoderma atroviride mutants with enhanced production of cellulase and $\beta$ -glucosidase on pretreated willow. Enzyme and Microbial Technology, 2008, 43, 48-55.	3.2	78
20	Solid-State Fermentation for Production of Phytase by Rhizopus oligosporus. Applied Biochemistry and Biotechnology, 2002, 102-103, 251-260.	2.9	75
21	Microbial production of extra-cellular phytase using polystyrene as inert solid support. Bioresource Technology, 2002, 83, 229-233.	9.6	74
22	Alpha amylase from a fungal culture grown on oil cakes and its properties. Brazilian Archives of Biology and Technology, 2004, 47, 309-317.	0.5	74
23	Thermostable Phytase Production by <i>Thermoascus aurantiacus</i> in Submerged Fermentation. Applied Biochemistry and Biotechnology, 2004, 118, 205-214.	2.9	71
24	New species of Trichoderma from Asia. Canadian Journal of Botany, 2003, 81, 570-586.	1.1	70
25	Fungal biosynthesis of endochitinase and chitobiase in solid state fermentation and their application for the production of N-acetyl-d-glucosamine from colloidal chitin. Bioresource Technology, 2007, 98, 2742-2748.	9.6	54
26	Customized yeast cell factories for biopharmaceuticals: from cell engineering to process scale up. Microbial Cell Factories, 2021, 20, 124.	4.0	51
27	Production and purification of extracellular chitinases from <i>Penicillium aculeatum</i> NRRL 2129 under solid-state fermentation. Enzyme and Microbial Technology, 2005, 36, 880-887.	3.2	47
28	Application of DNA Bar Codes for Screening of Industrially Important Fungi: the Haplotype of <i>Trichoderma harzianum</i> Sensu Stricto Indicates Superior Chitinase Formation. Applied and Environmental Microbiology, 2007, 73, 7048-7058.	3.1	45
29	<i>Trichoderma brevicompactum</i> sp. nov.. Mycologia, 2004, 96, 1059-1073.	1.9	36
30	Rice bran as a substrate for proteolytic enzyme production. Brazilian Archives of Biology and Technology, 2006, 49, 843-851.	0.5	34
31	Enzymatic hydrolysis and simultaneous saccharification and fermentation of steam-pretreated spruce using crude <i>Trichoderma reesei</i> and <i>Trichoderma atroviride</i> enzymes. Process Biochemistry, 2009, 44, 1323-1329.	3.7	33
32	Compactin production in solid-state fermentation using orthogonal array method by <i>P. brevicompactum</i> . Biochemical Engineering Journal, 2008, 41, 295-300.	3.6	24
33	Ultrasound-assisted extraction and characterization of hydrolytic and oxidative enzymes produced by solid state fermentation. Ultrasonics Sonochemistry, 2015, 22, 249-256.	8.2	22
34	<i>Trichoderma brevicompactum</i> sp. nov.. Mycologia, 2004, 96, 1059.	1.9	20
35	Microbial Synthesis of Chitinase in Solid Cultures and Its Potential as a Biocontrol Agent Against Phytopathogenic Fungus <i>Colletotrichum gloeosporioides</i> . Applied Biochemistry and Biotechnology, 2005, 127, 001-016.	2.9	18
36	Solid-state fermentation for the production of biomass valorizing feruloyl esterase. Biocatalysis and Agricultural Biotechnology, 2016, 7, 7-13.	3.1	7

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37	Diversity in Production of Xylan-Degrading Enzymes Among Species Belonging to the Trichoderma Section Longibrachiatum. Bioenergy Research, 2013, 6, 631-643.	3.9	6
38	Global Sexual Fertility in the Opportunistic Pathogen Aspergillus fumigatus and Identification of New Supermater Strains. Journal of Fungi (Basel, Switzerland), 2020, 6, 258.	3.5	6