

# Robert Zarnowski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/642584/publications.pdf>

Version: 2024-02-01

59  
papers

2,600  
citations

236925

25  
h-index

197818

49  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in the biology and biotechnological applications of halotolerant yeasts. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 27.	3.6	7
2	Formation and characterization of biofilms formed by salt-tolerant yeast strains in seawater-based growth medium. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2411-2426.	3.6	5
3	Turbinmicin inhibits <i>Candida</i> biofilm growth by disrupting fungal vesicle-mediated trafficking. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	29
4	<i>Candida auris</i> Cell Wall Mannosylation Contributes to Neutrophil Evasion through Pathways Divergent from <i>Candida albicans</i> and <i>Candida glabrata</i> . <i>MSphere</i> , 2021, 6, e0040621.	2.9	23
5	Coordination of fungal biofilm development by extracellular vesicle cargo. <i>Nature Communications</i> , 2021, 12, 6235.	12.8	42
6	A Label-Free Cellular Proteomics Approach to Decipher the Antifungal Action of DiMIQ, a Potent Indolo[2,3-b]Quinoline Agent, against <i>Candida albicans</i> Biofilms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 108.	4.1	4
7	Biomaterial armor in leaf-cutter ants. <i>Nature Communications</i> , 2020, 11, 5792.	12.8	34
8	Characterization of an <i>Uncinocarpus reesii</i> -expressed recombinant tube precipitin antigen of <i>Coccidioides posadasii</i> for serodiagnosis. <i>PLoS ONE</i> , 2019, 14, e0221228.	2.5	4
9	Conservation and Divergence in the <i>Candida</i> Species Biofilm Matrix Mannan-Glucan Complex Structure, Function, and Genetic Control. <i>MBio</i> , 2018, 9, .	4.1	52
10	<i>Candida albicans</i> biofilm-induced vesicles confer drug resistance through matrix biogenesis. <i>PLoS Biology</i> , 2018, 16, e2006872.	5.6	173
11	Topical delivery of ebselen encapsulated in biopolymeric nanocapsules: drug repurposing enhanced antifungal activity. <i>Nanomedicine</i> , 2018, 13, 1139-1155.	3.3	36
12	Ligation of Dectin-2 with a novel microbial ligand promotes adjuvant activity for vaccination. <i>PLoS Pathogens</i> , 2017, 13, e1006568.	4.7	26
13	Human iNKT Cells Promote Protective Inflammation by Inducing Oscillating Purinergic Signaling in Monocyte-Derived DCs. <i>Cell Reports</i> , 2016, 16, 3273-3285.	6.4	17
14	Large-scale production and isolation of <i>Candida</i> biofilm extracellular matrix. <i>Nature Protocols</i> , 2016, 11, 2320-2327.	12.0	26
15	The Extracellular Matrix of Fungal Biofilms. <i>Advances in Experimental Medicine and Biology</i> , 2016, 931, 21-35.	1.6	52
16	Fungal Super Glue: The Biofilm Matrix and Its Composition, Assembly, and Functions. <i>PLoS Pathogens</i> , 2016, 12, e1005828.	4.7	93
17	Dynamics of alkylresorcinols during rye caryopsis germination and early seedling growth. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015, 70, 71-73.	1.4	2
18	Fungal Morphology, Iron Homeostasis, and Lipid Metabolism Regulated by a GATA Transcription Factor in <i>Blastomyces dermatitidis</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004959.	4.7	16

#	ARTICLE	IF	CITATIONS
19	Community participation in biofilm matrix assembly and function. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4092-4097.	7.1	139
20	The synthesis of indolo[2,3-b]quinoline derivatives with a guanidine group: Highly selective cytotoxic agents. European Journal of Medicinal Chemistry, 2015, 105, 208-219.	5.5	43
21	Host Contributions to Construction of Three Device-Associated <i>Candida albicans</i> Biofilms. Infection and Immunity, 2015, 83, 4630-4638.	2.2	58
22	Novel Entries in a Fungal Biofilm Matrix Encyclopedia. MBio, 2014, 5, e01333-14.	4.1	234
23	Searching for new derivatives of neocryptolepine: Synthesis, antiproliferative, antimicrobial and antifungal activities. European Journal of Medicinal Chemistry, 2014, 78, 304-313.	5.5	29
24	Various effects of the photosystem II "inhibiting herbicides on 5-n-alkylresorcinol accumulation in rye seedlings. Pesticide Biochemistry and Physiology, 2014, 116, 56-62.	3.6	3
25	Rat Indwelling Urinary Catheter Model of <i>Candida albicans</i> Biofilm Infection. Infection and Immunity, 2014, 82, 4931-4940.	2.2	38
26	Alkylresorcinols in the family Fabaceae. Acta Societatis Botanicorum Poloniae, 2014, 70, 25-29.	0.8	9
27	A <i>Candida</i> Biofilm-Induced Pathway for Matrix Glucan Delivery: Implications for Drug Resistance. PLoS Pathogens, 2012, 8, e1002848.	4.7	240
28	Investigation of the Efficacy of Micafungin in the Treatment of Histoplasmosis Using Two North American Strains of <i>Histoplasma capsulatum</i> . Antimicrobial Agents and Chemotherapy, 2011, 55, 4447-4450.	3.2	25
29	Red Clover HCT2, a Hydroxycinnamoyl-Coenzyme A:Malate Hydroxycinnamoyl Transferase, Plays a Crucial Role in Biosynthesis of Phaselic Acid and Other Hydroxycinnamoyl-Malate Esters in <i>Vivo</i> . Plant Physiology, 2011, 155, 1060-1067.	4.8	22
30	Red clover coumarate 3-hydroxylase (CYP98A44) is capable of hydroxylating p-coumaroyl-shikimate but not p-coumaroyl-malate: implications for the biosynthesis of phaselic acid. Planta, 2010, 231, 319-328.	3.2	17
31	Cycloate, an inhibitor of fatty acid elongase, modulates the metabolism of very-long-chain alkylresorcinols in rye seedlings. Pest Management Science, 2009, 65, 1065-1070.	3.4	11
32	<i>Histoplasma capsulatum</i> Encodes a Dipeptidyl Peptidase Active against the Mammalian Immunoregulatory Peptide, Substance P. PLoS ONE, 2009, 4, e5281.	2.5	10
33	Neutral Storage Lipids of <i>Histoplasma capsulatum</i> : Effect of Culture Age. Current Microbiology, 2008, 56, 110-114.	2.2	7
34	Ferrous, But Not Ferric, Iron Maintains Homeostasis in <i>Histoplasma capsulatum</i> Triacylglycerides. Current Microbiology, 2008, 57, 153-157.	2.2	7
35	Morphological Transitions Governed by Density Dependence and Lipoyxygenase Activity in <i>Aspergillus flavus</i> . Applied and Environmental Microbiology, 2008, 74, 5674-5685.	3.1	110
36	<i>Histoplasma capsulatum</i> secreted $\gamma$ -glutamyltransferase reduces iron by generating an efficient ferric reductant. Molecular Microbiology, 2008, 70, 352-368.	2.5	43

#	ARTICLE	IF	CITATIONS
37	Alkylresorcinols in Selected Polish Rye and Wheat Cereals and Whole-Grain Cereal Products. Journal of Agricultural and Food Chemistry, 2008, 56, 7236-7242.	5.2	61
38	Detection of <i>Histoplasma capsulatum</i> Antigen in Panamanian Patients with Disseminated Histoplasmosis and AIDS. Vaccine Journal, 2008, 15, 681-683.	3.1	20
39	Effect of Norflurazon on Resorcinolic Lipid Metabolism in Rye Seedlings. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2007, 62, 239-245.	1.4	5
40	Production of extracellular proteolytic activity by <i>Histoplasma capsulatum</i> grown in <i>Histoplasma</i> -macrophage medium is limited to restriction fragment length polymorphism class 1 isolates. Diagnostic Microbiology and Infectious Disease, 2007, 59, 39-47.	1.8	17
41	Action of benzimidazole fungicides on resorcinolic lipid metabolism in rye seedlings depends on thermal and light growth conditions. Pesticide Biochemistry and Physiology, 2007, 88, 219-225.	3.6	25
42	Typing of <i>Histoplasma capsulatum</i> strains by fatty acid profile analysis. Journal of Medical Microbiology, 2007, 56, 788-797.	1.8	16
43	Emulsions of oil from <i>Adenanthera pavonina</i> L. seeds and their protective effect. Cellular and Molecular Biology Letters, 2006, 11, 438-48.	7.0	22
44	Glutathione-dependent extracellular ferric reductase activities in dimorphic zoopathogenic fungi. Microbiology (United Kingdom), 2005, 151, 2233-2240.	1.8	27
45	Three putative oxylipin biosynthetic genes integrate sexual and asexual development in <i>Aspergillus nidulans</i> . Microbiology (United Kingdom), 2005, 151, 1809-1821.	1.8	163
46	5-n-Alkylresorcinols from Grains of Winter Barley ( <i>Hordeum vulgare</i> L.). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 315-317.	1.4	15
47	The Oil of <i>Adenanthera pavonina</i> L. Seeds and its Emulsions. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 321-326.	1.4	22
48	Endogenous Lipogenic Regulators of Spore Balance in <i>Aspergillus nidulans</i> . Eukaryotic Cell, 2004, 3, 1398-1411.	3.4	117
49	The Lipid Body Protein, PpoA, Coordinates Sexual and Asexual Sporulation in <i>Aspergillus nidulans</i> . Journal of Biological Chemistry, 2004, 279, 11344-11353.	3.4	171
50	Alkyl- and Alkenylresorcinols of Wheat Grains and their Chemotaxonomic Significance. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 190-196.	1.4	12
51	Expedient Soxhlet extraction of resorcinolic lipids from wheat grains. Journal of Food Composition and Analysis, 2004, 17, 649-663.	3.9	88
52	Two $\Delta^9$ -stearic acid desaturases are required for <i>Aspergillus nidulans</i> growth and development. Fungal Genetics and Biology, 2004, 41, 501-509.	2.1	29
53	Effect of age on the fatty acid composition of the <i>Bacillus subtilis</i> PO270 isolated from wheat rhizosphere. Polish Journal of Microbiology, 2004, 53, 267-72.	1.7	3
54	Alkylresorcinols in Barley ( <i>Hordeum vulgare</i> L. distichon) Grains. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2002, 57, 57-62.	1.4	42

#	ARTICLE	IF	CITATIONS
55	A Methylobacterium-like organism from algal crusts covering silicone rubber electric insulators in Africa. <i>Journal of Applied Microbiology</i> , 2002, 93, 1012-1019.	3.1	9
56	Variability of the Fatty Acid Composition during Development of the Green Microalga <i>Apatococcus constipatus</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2001, 56, 311-314.	1.4	1
57	Alkylresorcinols in Fruit Pulp and Leaves of <i>Ginkgo biloba</i> L.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000, 55, 881-885.	1.4	16
58	5-n-Alkylresorcinols from the green microalga <i>Apatococcus constipatus</i> . <i>Phytochemistry</i> , 2000, 55, 975-977.	2.9	14
59	Alkylresorcinol Homologs in <i>Pisum sativum</i> L. Varieties. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999, 54, 44-48.	1.4	19