Robert Zarnowski

List of Publications by Year
in descending order

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	A Candida Biofilm-Induced Pathway for Matrix Glucan Delivery: Implications for Drug Resistance. PLoS Pathogens, 2012, 8, e1002848.	4.7	240
2	Novel Entries in a Fungal Biofilm Matrix Encyclopedia. MBio, 2014, 5, e01333-14.	4.1	234
3	Candida albicans biofilmâ€“induced vesicles confer drug resistance through matrix biogenesis. PLoS Biology, 2018, 16, e2006872.	5.6	173
4	The Lipid Body Protein, PpoA, Coordinates Sexual and Asexual Sporulation in Aspergillus nidulans. Journal of Biological Chemistry, 2004, 279, 11344-11353.	3.4	171
5	Three putative oxylipin biosynthetic genes integrate sexual and asexual development in Aspergillus nidulans. Microbiology (United Kingdom), 2005, 151, 1809-1821.	1.8	163
6	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
7	Endogenous Lipogenic Regulators of Spore Balance in Aspergillus nidulans. Eukaryotic Cell, 2004, 3, 1398-1411.	3.4	117
8	Morphological Transitions Governed by Density Dependence and Lipoxygenase Activity inAspergillus flavus. Applied and Environmental Microbiology, 2008, 74, 5674-5685.	3.1	110
9	Fungal Super Glue: The Biofilm Matrix and Its Composition, Assembly, and Functions. PLoS Pathogens, 2016, 12, e1005828.	4.7	93
10	Expedient Soxhlet extraction of resorcinolic lipids from wheat grains. Journal of Food Composition and Analysis, 2004, 17, 649-663.	3.9	88
11	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
12	Host Contributions to Construction of Three Device-Associated Candida albicans Biofilms. Infection and Immunity, 2015, 83, 4630-4638.	2.2	58
13	The Extracellular Matrix of Fungal Biofilms. Advances in Experimental Medicine and Biology, 2016, 931, 21-35.	1.6	52
14	Conservation and Divergence in the Candida Species Biofilm Matrix Mannan-Glucan Complex Structure, Function, and Genetic Control. MBio, 2018, 9, .	4.1	52
15	Histoplasma capsulatum secreted Î³â€glutamyltransferase reduces iron by generating an efficient ferric reductant. Molecular Microbiology, 2008, 70, 352-368.	2.5	43
16	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
17	Alkylresorcinols in Barley (Hordeum vulgare L. distichon) Grains. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2002, 57, 57-62.	1.4	42
18	Coordination of fungal biofilm development by extracellular vesicle cargo. Nature Communications, 2021, 12, 6235.	12.8	42

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19	Rat Indwelling Urinary Catheter Model of Candida albicans Biofilm Infection. Infection and Immunity, 2014, 82, 4931-4940.	2.2	38
20	Topical delivery of ebselen encapsulated in biopolymeric nanocapsules: drug repurposing enhanced antifungal activity. Nanomedicine, 2018, 13, 1139-1155.	3.3	36
21	Biomineral armor in leaf-cutter ants. Nature Communications, 2020, 11, 5792.	12.8	34
22	Two Î”9-stearic acid desaturases are required for Aspergillus nidulans growth and development. Fungal Genetics and Biology, 2004, 41, 501-509.	2.1	29
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	Turbinmicin inhibits Candida biofilm growth by disrupting fungal vesicleâ€“mediated trafficking. Journal of Clinical Investigation, 2021, 131, .	8.2	29
25	Glutathione-dependent extracellular ferric reductase activities in dimorphic zoopathogenic fungi. Microbiology (United Kingdom), 2005, 151, 2233-2240.	1.8	27
26	Large-scale production and isolation of Candida biofilm extracellular matrix. Nature Protocols, 2016, 11, 2320-2327.	12.0	26
27	Ligation of Dectin-2 with a novel microbial ligand promotes adjuvant activity for vaccination. PLoS Pathogens, 2017, 13, e1006568.	4.7	26
28	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
29	Investigation of the Efficacy of Micafungin in the Treatment of Histoplasmosis Using Two North American Strains of Histoplasma capsulatum. Antimicrobial Agents and Chemotherapy, 2011, 55, 4447-4450.	3.2	25
30	Candida auris Cell Wall Mannosylation Contributes to Neutrophil Evasion through Pathways Divergent from Candida albicans and Candida glabrata. MSphere, 2021, 6, e0040621.	2.9	23
31	The Oil of Adenanthera pavonina L. Seeds and its Emulsions. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 321-326.	1.4	22
32	Emulsions of oil from Adenanthera pavonina L. seeds and their protective effect. Cellular and Molecular Biology Letters, 2006, 11, 438-48.	7.0	22
33	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 Vivo Â. Plant Physiology, 2011, 155, 1060-1067.	4.8	22
34	Detection of Histoplasma capsulatum Antigen in Panamanian Patients with Disseminated Histoplasmosis and AIDS. Vaccine Journal, 2008, 15, 681-683.	3.1	20
35	Alkylresorcinol Homologs in Pisum sativum L. Varieties. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1999, 54, 44-48.	1.4	19
36	Production of extracellular proteolytic activity by Histoplasma capsulatum grown in Histoplasma-macrophage medium is limited to restriction fragment length polymorphism class 1 isolates. Diagnostic Microbiology and Infectious Disease, 2007, 59, 39-47.	1.8	17

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37	Red clover coumarate 3â€²-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
38	Human iNKT Cells Promote Protective Inflammation by Inducing Oscillating Purinergic Signaling in Monocyte-Derived DCs. Cell Reports, 2016, 16, 3273-3285.	6.4	17
39	Alkylresorcinols in Fruit Pulp and Leaves of Ginkgo biloba L.. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2000, 55, 881-885.	1.4	16
40	Fungal Morphology, Iron Homeostasis, and Lipid Metabolism Regulated by a GATA Transcription Factor in Blastomyces dermatitidis. PLoS Pathogens, 2015, 11, e1004959.	4.7	16
41	Typing of Histoplasma capsulatum strains by fatty acid profile analysis. Journal of Medical Microbiology, 2007, 56, 788-797.	1.8	16
42	5-n-Alkylresorcinols from Grains of Winter Barley (Hordeum vulgare L.). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 315-317.	1.4	15
43	5-n-Alkylresorcinols from the green microalga Apatococcus constipatus. Phytochemistry, 2000, 55, 975-977.	2.9	14
44	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
45	Cycloate, an inhibitor of fatty acid elongase, modulates the metabolism of veryâ€longâ€sideâ€chain alkylresorcinols in rye seedlings. Pest Management Science, 2009, 65, 1065-1070.	3.4	11
46	Histoplasma capsulatum Encodes a Dipeptidyl Peptidase Active against the Mammalian Immunoregulatory Peptide, Substance P. PLoS ONE, 2009, 4, e5281.	2.5	10
47	A Methylobacterium-like organism from algal crusts covering silicone rubber electric insulators in Africa. Journal of Applied Microbiology, 2002, 93, 1012-1019.	3.1	9
48	Alkylresorcinols in the family Fabaceae. Acta Societatis Botanicorum Poloniae, 2014, 70, 25-29.	0.8	9
49	Neutral Storage Lipids of Histoplasma capsulatum: Effect of Culture Age. Current Microbiology, 2008, 56, 110-114.	2.2	7
50	Ferrous, But Not Ferric, Iron Maintains Homeostasis in Histoplasma capsulatum Triacylglycerides. Current Microbiology, 2008, 57, 153-157.	2.2	7
51	Recent developments in the biology and biotechnological applications of halotolerant yeasts. World Journal of Microbiology and Biotechnology, 2022, 38, 27.	3.6	7
52	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
53	Formation and characterization of biofilms formed by salt-tolerant yeast strains in seawater-based growth medium. Applied Microbiology and Biotechnology, 2021, 105, 2411-2426.	3.6	5
54	Characterization of an Uncinocarpus reesii-expressed recombinant tube precipitin antigen of Coccidioides posadasii for serodiagnosis. PLoS ONE, 2019, 14, e0221228.	2.5	4

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55	A Label-Free Cellular Proteomics Approach to Decipher the Antifungal Action of DiMIQ, a Potent Indolo[2,3-b]Quinoline Agent, against Candida albicans Biofilms. International Journal of Molecular Sciences, 2021, 22, 108.	4.1	4
56	Various effects of the photosystem II â€“ inhibiting herbicides on 5-n-alkylresorcinol accumulation in rye seedlings. Pesticide Biochemistry and Physiology, 2014, 116, 56-62.	3.6	3
57	Effect of age on the fatty acid composition of the Bacillus subtilis PO270 isolated from wheat rhizosphere. Polish Journal of Microbiology, 2004, 53, 267-72.	1.7	3
58	Dynamics of alkylresorcinols during rye caryopsis germination and early seedling growth. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2015, 70, 71-73.	1.4	2
59	Variability of the Fatty Acid Composition during Development of the Green Microalga Apatococcus constipatus. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2001, 56, 311-314.	1.4	1