

Robert Zarnowski

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,980
citations

21
h-index

44
g-index

59
ext. papers

2,287
ext. citations

5.4
avg, IF

4.66
L-index

#	Paper	IF	Citations
58	Novel entries in a fungal biofilm matrix encyclopedia. <i>MBio</i> , 2014 , 5, e01333-14	7.8	194
57	A Candida biofilm-induced pathway for matrix glucan delivery: implications for drug resistance. <i>PLoS Pathogens</i> , 2012 , 8, e1002848	7.6	190
56	The lipid body protein, PpoA, coordinates sexual and asexual sporulation in <i>Aspergillus nidulans</i> . <i>Journal of Biological Chemistry</i> , 2004 , 279, 11344-53	5.4	153
55	Three putative oxylipin biosynthetic genes integrate sexual and asexual development in <i>Aspergillus nidulans</i> . <i>Microbiology (United Kingdom)</i> , 2005 , 151, 1809-1821	2.9	143
54	<i>Candida albicans</i> biofilm-induced vesicles confer drug resistance through matrix biogenesis. <i>PLoS Biology</i> , 2018 , 16, e2006872	9.7	107
53	Endogenous lipogenic regulators of spore balance in <i>Aspergillus nidulans</i> . <i>Eukaryotic Cell</i> , 2004 , 3, 1398-411		104
52	Community participation in biofilm matrix assembly and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4092-7	11.5	103
51	Morphological transitions governed by density dependence and lipoxygenase activity in <i>Aspergillus flavus</i> . <i>Applied and Environmental Microbiology</i> , 2008 , 74, 5674-85	4.8	94
50	Expedient Soxhlet extraction of resorcinolic lipids from wheat grains. <i>Journal of Food Composition and Analysis</i> , 2004 , 17, 649-663	4.1	72
49	Fungal Super Glue: The Biofilm Matrix and Its Composition, Assembly, and Functions. <i>PLoS Pathogens</i> , 2016 , 12, e1005828	7.6	60
48	Alkylresorcinols in selected Polish rye and wheat cereals and whole-grain cereal products. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 7236-42	5.7	51
47	Host contributions to construction of three device-associated <i>Candida albicans</i> biofilms. <i>Infection and Immunity</i> , 2015 , 83, 4630-8	3.7	45
46	Alkylresorcinols in barley (<i>Hordeum vulgare</i> L. distichon) grains. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2002 , 57, 57-62	1.7	38
45	<i>Histoplasma capsulatum</i> secreted gamma-glutamyltransferase reduces iron by generating an efficient ferric reductant. <i>Molecular Microbiology</i> , 2008 , 70, 352-68	4.1	37
44	Conservation and Divergence in the Species Biofilm Matrix Mannan-Glucan Complex Structure, Function, and Genetic Control. <i>MBio</i> , 2018 , 9,	7.8	34
43	The Extracellular Matrix of Fungal Biofilms. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 931, 21-35	3.6	32
42	Rat indwelling urinary catheter model of <i>Candida albicans</i> biofilm infection. <i>Infection and Immunity</i> , 2014 , 82, 4931-40	3.7	31

41	The synthesis of indolo[2,3-b]quinoline derivatives with a guanidine group: highly selective cytotoxic agents. <i>European Journal of Medicinal Chemistry</i> , 2015 , 105, 208-19	6.8	27
40	Topical delivery of ebselen encapsulated in biopolymeric nanocapsules: drug repurposing enhanced antifungal activity. <i>Nanomedicine</i> , 2018 , 13, 1139-1155	5.6	25
39	Two Delta9-stearic acid desaturases are required for <i>Aspergillus nidulans</i> growth and development. <i>Fungal Genetics and Biology</i> , 2004 , 41, 501-9	3.9	23
38	Glutathione-dependent extracellular ferric reductase activities in dimorphic zoopathogenic fungi. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 2233-2240	2.9	22
37	Searching for new derivatives of neocryptolepine: synthesis, antiproliferative, antimicrobial and antifungal activities. <i>European Journal of Medicinal Chemistry</i> , 2014 , 78, 304-13	6.8	20
36	Investigation of the efficacy of micafungin in the treatment of histoplasmosis using two North American strains of <i>Histoplasma capsulatum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 4447-50	5.9	20
35	Red clover HCT2, a hydroxycinnamoyl-coenzyme A:malate hydroxycinnamoyl transferase, plays a crucial role in biosynthesis of phaelic acid and other hydroxycinnamoyl-malate esters in vivo. <i>Plant Physiology</i> , 2011 , 155, 1060-7	6.6	20
34	Emulsions of oil from <i>Adenanthera pavonina</i> L. seeds and their protective effect. <i>Cellular and Molecular Biology Letters</i> , 2006 , 11, 438-48	8.1	20
33	Detection of <i>Histoplasma capsulatum</i> antigen in Panamanian patients with disseminated histoplasmosis and AIDS. <i>Vaccine Journal</i> , 2008 , 15, 681-3		19
32	Action of benzimidazole fungicides on resorcinolic lipid metabolism in rye seedlings depends on thermal and light growth conditions. <i>Pesticide Biochemistry and Physiology</i> , 2007 , 88, 219-225	4.9	18
31	Ligation of Dectin-2 with a novel microbial ligand promotes adjuvant activity for vaccination. <i>PLoS Pathogens</i> , 2017 , 13, e1006568	7.6	17
30	Red clover coumarate 3-hydroxylase (CYP98A44) is capable of hydroxylating p-coumaroyl-shikimate but not p-coumaroyl-malate: implications for the biosynthesis of phaelic acid. <i>Planta</i> , 2010 , 231, 319-28	4.7	16
29	Alkylresorcinol Homologs in <i>Pisum sativum</i> L. Varieties. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999 , 54, 44-48	1.7	16
28	Typing of <i>Histoplasma capsulatum</i> strains by fatty acid profile analysis. <i>Journal of Medical Microbiology</i> , 2007 , 56, 788-797	3.2	16
27	Large-scale production and isolation of <i>Candida</i> biofilm extracellular matrix. <i>Nature Protocols</i> , 2016 , 11, 2320-2327	18.8	15
26	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. <i>Diagnostic Microbiology and Infectious Disease</i> , 2007 , 59, 39-47	2.9	15
25	The oil of <i>Adenanthera pavonina</i> L. seeds and its emulsions. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004 , 59, 321-6	1.7	15
24	Human iNKT Cells Promote Protective Inflammation by Inducing Oscillating Purinergic Signaling in Monocyte-Derived DCs. <i>Cell Reports</i> , 2016 , 16, 3273-3285	10.6	15

23	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	7.6	14
22	5-n-Alkylresorcinols from grains of winter barley (<i>Hordeum vulgare</i> L.). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004 , 59, 315-7	1.7	13
21	Alkylresorcinols in fruit pulp and leaves of <i>Ginkgo biloba</i> L. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000 , 55, 881-5	1.7	13
20	5-n-Alkylresorcinols from the green microalga <i>Apatococcus constipatus</i> . <i>Phytochemistry</i> , 2000 , 55, 975-74		12
19	Biomineral armor in leaf-cutter ants. <i>Nature Communications</i> , 2020 , 11, 5792	17.4	11
18	Turbinmicin inhibits <i>Candida</i> biofilm growth by disrupting fungal vesicle-mediated trafficking. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	10
17	Cycloate, an inhibitor of fatty acid elongase, modulates the metabolism of very-long-side-chain alkylresorcinols in rye seedlings. <i>Pest Management Science</i> , 2009 , 65, 1065-70	4.6	9
16	Alkyl- and alkenylresorcinols of wheat grains and their chemotaxonomic significance. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004 , 59, 190-6	1.7	9
15	A <i>Methylobacterium</i> -like organism from algal crusts covering silicone rubber electric insulators in Africa. <i>Journal of Applied Microbiology</i> , 2002 , 93, 1012-9	4.7	9
14	<i>Histoplasma capsulatum</i> encodes a dipeptidyl peptidase active against the mammalian immunoregulatory peptide, substance P. <i>PLoS ONE</i> , 2009 , 4, e5281	3.7	9
13	Alkylresorcinols in the family Fabaceae. <i>Acta Societatis Botanicorum Poloniae</i> , 2014 , 70, 25-29	1.5	8
12	Neutral storage lipids of <i>Histoplasma capsulatum</i> : effect of culture age. <i>Current Microbiology</i> , 2008 , 56, 110-4	2.4	6
11	Ferrous, but not ferric, iron maintains homeostasis in <i>Histoplasma capsulatum</i> triacylglycerides. <i>Current Microbiology</i> , 2008 , 57, 153-7	2.4	6
10	Coordination of fungal biofilm development by extracellular vesicle cargo. <i>Nature Communications</i> , 2021 , 12, 6235	17.4	6
9	Effect of norflurazon on resorcinolic lipid metabolism in rye seedlings. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2007 , 62, 239-45	1.7	4
8	<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	5	4
7	Various effects of the photosystem II-inhibiting herbicides on 5-n-alkylresorcinol accumulation in rye seedlings. <i>Pesticide Biochemistry and Physiology</i> , 2014 , 116, 56-62	4.9	2
6	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	5.7	2

5	Effect of age on the fatty acid composition of the <i>Bacillus subtilis</i> PO270 isolated from wheat rhizosphere. <i>Polish Journal of Microbiology</i> , 2004 , 53, 267-72	1.8	2
4	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	3.7	1
3	Dynamics of alkylresorcinols during rye caryopsis germination and early seedling growth. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2015 , 70, 71-3	1.7	1
2	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, 311-4	1.7	1
1	Recent developments in the biology and biotechnological applications of halotolerant yeasts.. <i>World Journal of Microbiology and Biotechnology</i> , 2022 , 38, 27	4.4	0