

Erwin Lamping

List of Publications by Year in descending order

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36
papers

2,200
citations

471509

17
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

2233
citing authors

#	ARTICLE	IF	CITATIONS
1	Efflux-Mediated Antifungal Drug Resistance. <i>Clinical Microbiology Reviews</i> , 2009, 22, 291-321.	13.6	483
2	<i>Candida albicans</i> drug resistance – another way to cope with stress. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3211-3217.	1.8	183
3	Characterization of Three Classes of Membrane Proteins Involved in Fungal Azole Resistance by Functional Hyperexpression in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1150-1165.	3.4	173
4	Mas37p, a novel receptor subunit for protein import into mitochondria.. <i>Journal of Cell Biology</i> , 1995, 129, 25-34.	5.2	172
5	ABC Transporter Cdr1p Contributes More than Cdr2p Does to Fluconazole Efflux in Fluconazole-Resistant <i>Candida albicans</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3851-3862.	3.2	144
6	Fungal PDR transporters: Phylogeny, topology, motifs and function. <i>Fungal Genetics and Biology</i> , 2010, 47, 127-142.	2.1	141
7	Overexpression of <i>Candida albicans</i> CDR1 , CDR2 , or MDR1 Does Not Produce Significant Changes in Echinocandin Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1148-1155.	3.2	123
8	Identification of Nile red as a fluorescent substrate of the <i>Candida albicans</i> ATP-binding cassette transporters Cdr1p and Cdr2p and the major facilitator superfamily transporter Mdr1p. <i>Analytical Biochemistry</i> , 2009, 394, 87-91.	2.4	103
9	Abc1p Is a Multidrug Efflux Transporter That Tips the Balance in Favor of Innate Azole Resistance in <i>Candida krusei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 354-369.	3.2	93
10	The Monoamine Oxidase A Inhibitor Clorgyline Is a Broad-Spectrum Inhibitor of Fungal ABC and MFS Transporter Efflux Pump Activities Which Reverses the Azole Resistance of <i>Candida albicans</i> and <i>Candida glabrata</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1508-1515.	3.2	85
11	Inhibition of fungal ABC transporters by unnarmicin A and unnarmicin C, novel cyclic peptides from marine bacterium. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 990-995.	2.1	64
12	Heterozygosity and functional allelic variation in the <i>Candida albicans</i> efflux pump genes CDR1 and CDR2. <i>Molecular Microbiology</i> , 2006, 62, 170-186.	2.5	61
13	Specific interactions between the <i>Candida albicans</i> ABC transporter Cdr1p ectodomain and a <scp>d</scp>-octapeptide derivative inhibitor. <i>Molecular Microbiology</i> , 2012, 85, 747-767.	2.5	41
14	Clinically significant micafungin resistance in <i>Candida albicans</i> involves modification of a glucan synthase catalytic subunit GSC1 (FKS1) allele followed by loss of heterozygosity. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 842-852.	3.0	39
15	Phosphorylation of <i>Candida glabrata</i> ATP-binding Cassette Transporter Cdr1p Regulates Drug Efflux Activity and ATPase Stability. <i>Journal of Biological Chemistry</i> , 2005, 280, 94-103.	3.4	35
16	Functional analysis of fungal drug efflux transporters by heterologous expression in <i>Saccharomyces cerevisiae</i> . <i>Japanese Journal of Infectious Diseases</i> , 2005, 58, 1-7.	1.2	34
17	Chimeras of <i>Candida albicans</i> Cdr1p and Cdr2p reveal features of pleiotropic drug resistance transporter structure and function. <i>Molecular Microbiology</i> , 2011, 82, 416-433.	2.5	22
18	Small, synthetic, GC-rich mRNA stem-loop modules 5' proximal to the AUG start-codon predictably tune gene expression in yeast. <i>Microbial Cell Factories</i> , 2013, 12, 74.	4.0	20

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19	FK506 Resistance of <i>Saccharomyces cerevisiae</i> Pdr5 and <i>Candida albicans</i> Cdr1 Involves Mutations in the Transmembrane Domains and Extracellular Loops. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	20
20	Identification and characterization of <i>Candida utilis</i> multidrug efflux transporter <i>Cu</i> Cdr1p. <i>FEMS Yeast Research</i> , 2016, 16, fow042.	2.3	15
21	Yeast Species in the Oral Cavities of Older People: A Comparison between People Living in Their Own Homes and Those in Rest Homes. <i>Journal of Fungi (Basel, Switzerland)</i> , 2019, 5, 30.	3.5	15
22	Characterization of the <i>Saccharomyces cerevisiae</i> sec6-41 mutation and tools to create <i>S. cerevisiae</i> strains containing the sec6-4 allele. <i>Gene</i> , 2005, 361, 57-66.	2.2	14
23	Drug Resistance Is Conferred on the Model Yeast <i>Saccharomyces cerevisiae</i> by Expression of Full-Length Melanoma-Associated Human ATP-Binding Cassette Transporter ABCB5. <i>Molecular Pharmaceutics</i> , 2014, 11, 3452-3462.	4.6	14
24	Synthetic Organotellurium Compounds Sensitize Drug-Resistant <i>Candida albicans</i> Clinical Isolates to Fluconazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	14
25	Repression of the L-asparaginase gene during nodule development in <i>Lupinus angustifolius</i> . <i>Plant Molecular Biology</i> , 1994, 26, 303-311.	3.9	12
26	Role of Ectopic Gene Conversion in the Evolution of a <i>Candida krusei</i> Pleiotropic Drug Resistance Transporter Family. <i>Genetics</i> , 2017, 205, 1619-1639.	2.9	12
27	Identification and functional characterization of <i>Penicillium marneffe</i> pleiotropic drug resistance transporters ABC1 and ABC2. <i>Medical Mycology</i> , 2016, 54, 478-491.	0.7	11
28	A 23 bp <i>cyp51A</i> Promoter Deletion Associated With Voriconazole Resistance in Clinical and Environmental Isolates of <i>Neocosmospora keratoplastica</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 272.	3.5	11
29	PDR Transporter ABC1 Is Involved in the Innate Azole Resistance of the Human Fungal Pathogen <i>Fusarium keratoplasticum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 673206.	3.5	7
30	Engineering a Cysteine-Deficient Functional <i>Candida albicans</i> Cdr1 Molecule Reveals a Conserved Region at the Cytosolic Apex of ABCG Transporters Important for Correct Folding and Trafficking of Cdr1. <i>MSphere</i> , 2021, 6, .	2.9	6
31	Inhibitor Resistant Mutants Give Important Insights into <i>Candida albicans</i> ABC Transporter Cdr1 Substrate Specificity and Help Elucidate Efflux Pump Inhibition. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, , AAC0174821.	3.2	6
32	Small-Scale Plasma Membrane Preparation for the Analysis of <i>Candida albicans</i> Cdr1-mGFPHis. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	5
33	Use of a Yeast-Based Membrane Protein Expression Technology to Overexpress Drug Resistance Efflux Pumps. <i>Methods in Molecular Biology</i> , 2010, 666, 219-250.	0.9	4
34	Amino Acid Residues Affecting Drug Pump Function in <i>Candida albicans</i> -C. <i>albicans</i> Drug Pump Function-. <i>Medical Mycology Journal</i> , 2006, 47, 275-281.	0.7	3
35	Structure-Function Analyses of Multidrug Transporters. , 2017, , 379-406.		3
36	CANDIDA SPECIES AND STRAINS IN THE ORAL CAVITIES OF THE ELDERLY: A COMPARISON BETWEEN PEOPLE IN HOME-BASED CARE AND IN AGED-CARE FACILITIES. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2019, 128, e69.	0.4	0