

Andrew Warrilow

List of Publications by Year in descending order

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31
papers

1,715
citations

331670

21
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2151
citing authors

#	ARTICLE	IF	CITATIONS
1	A Clinical Isolate of <i>Candida albicans</i> with Mutations in <i>ERG11</i> (Encoding Sterol Tj ETQq1 1 0.784314 rgBT /Overlock 100) Amphotericin B. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3578-3583.	3.2	152
2	Identification and Characterization of Four Azole-Resistant <i>erg3</i> Mutants of <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4527-4533.	3.2	150
3	The First Virally Encoded Cytochrome P450. <i>Journal of Virology</i> , 2009, 83, 8266-8269.	3.4	128
4	The Clinical Candidate VT-1161 Is a Highly Potent Inhibitor of <i>Candida albicans</i> CYP51 but Fails To Bind the Human Enzyme. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7121-7127.	3.2	125
5	Azole Affinity of Sterol 14 α -Demethylase (CYP51) Enzymes from <i>Candida albicans</i> and <i>Homo sapiens</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1352-1360.	3.2	120
6	Azole Binding Properties of <i>Candida albicans</i> Sterol 14 α Demethylase (CaCYP51). <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4235-4245.	3.2	97
7	Facultative Sterol Uptake in an Ergosterol-Deficient Clinical Isolate of <i>Candida glabrata</i> Harboring a Missense Mutation in <i>ERG11</i> and Exhibiting Cross-Resistance to Azoles and Amphotericin B. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4223-4232.	3.2	90
8	Expression, Purification, and Characterization of <i>Aspergillus fumigatus</i> Sterol 14 α Demethylase (CYP51) Isoenzymes A and B. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4225-4234.	3.2	73
9	Prothioconazole and Prothioconazole-Desthio Activities against <i>Candida albicans</i> Sterol 14 α -Demethylase. <i>Applied and Environmental Microbiology</i> , 2013, 79, 1639-1645.	3.1	73
10	A Novel Sterol 14 α -Demethylase/Ferredoxin Fusion Protein (MCCYP51FX) from <i>Methylococcus capsulatus</i> Represents a New Class of the Cytochrome P450 Superfamily. <i>Journal of Biological Chemistry</i> , 2002, 277, 46959-46965.	3.4	64
11	Mechanism of Binding of Prothioconazole to <i>Mycosphaerella graminicola</i> CYP51 Differs from That of Other Azole Antifungals. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1460-1465.	3.1	62
12	Two Clinical Isolates of <i>Candida glabrata</i> Exhibiting Reduced Sensitivity to Amphotericin B Both Harbor Mutations in <i>ERG2</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 6417-6421.	3.2	62
13	The biodiversity of microbial cytochromes P450. <i>Advances in Microbial Physiology</i> , 2003, 47, 131-186.	2.4	58
14	Lanosterol Biosynthesis in the Prokaryote <i>Methylococcus Capsulatus</i> : Insight into the Evolution of Sterol Biosynthesis. <i>Molecular Biology and Evolution</i> , 2007, 24, 1714-1721.	8.9	52
15	Complementation of a <i>Saccharomyces cerevisiae</i> <i>ERG11</i> /CYP51 (Sterol 14 α -Demethylase) Doxycycline-Regulated Mutant and Screening of the Azole Sensitivity of <i>Aspergillus fumigatus</i> Isoenzymes CYP51A and CYP51B. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4920-4923.	3.2	43
16	Activities and Kinetic Mechanisms of Native and Soluble NADPH α -Cytochrome P450 Reductase. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 48-54.	2.1	41
17	Clotrimazole as a Potent Agent for Treating the Oomycete Fish Pathogen <i>Saprolegnia parasitica</i> through Inhibition of Sterol 14 α -Demethylase (CYP51). <i>Applied and Environmental Microbiology</i> , 2014, 80, 6154-6166.	3.1	41
18	Plant Sterol 14 α -Demethylase Affinity for Azole Fungicides. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 845-849.	2.1	37

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19	Azole Antifungal Agents To Treat the Human Pathogens <i>Acanthamoeba castellanii</i> and <i>Acanthamoeba polyphaga</i> through Inhibition of Sterol 14 α -Demethylase (CYP51). <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4707-4713.	3.2	33
20	CYP56 (Dit2p) in <i>Candida albicans</i> : Characterization and Investigation of Its Role in Growth and Antifungal Drug Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3718-3724.	3.2	32
21	<i>Streptomyces coelicolor</i> A3(2) CYP102 Protein, a Novel Fatty Acid Hydroxylase Encoded as a Heme Domain without an N-Terminal Redox Partner. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1975-1980.	3.1	26
22	S279 Point Mutations in <i>Candida albicans</i> Sterol 14 α -Demethylase (CYP51) Reduce <i>In Vitro</i> Inhibition by Fluconazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2099-2107.	3.2	25
23	Identification, Characterization, and Azole-Binding Properties of <i>Mycobacterium smegmatis</i> CYP164A2, a Homolog of ML2088, the Sole Cytochrome P450 Gene of <i>Mycobacterium leprae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 1157-1164.	3.2	20
24	<i>Phanerochaete chrysosporium</i> NADPH-cytochrome P450 reductase kinetic mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2002, 299, 189-195.	2.1	18
25	Antifungal activity of azole compounds CPA18 and CPA109 against azole-susceptible and -resistant strains of <i>Candida albicans</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 1111-1119.	3.0	17
26	Discovery of a Novel Dual Fungal CYP51/Human 5-Lipoxygenase Inhibitor: Implications for Anti-Fungal Therapy. <i>PLoS ONE</i> , 2013, 8, e65928.	2.5	17
27	Azole Antifungal Sensitivity of Sterol 14 α -Demethylase (CYP51) and CYP5218 from <i>Malassezia globosa</i> . <i>Scientific Reports</i> , 2016, 6, 27690.	3.3	14
28	Co-production of 11 α -hydroxyprogesterone and ethanol using recombinant yeast expressing fungal steroid hydroxylases. <i>Biotechnology for Biofuels</i> , 2017, 10, 226.	6.2	14
29	Novel Substrate Specificity and Temperature-Sensitive Activity of <i>Mycosphaerella graminicola</i> CYP51 Supported by the Native NADPH Cytochrome P450 Reductase. <i>Applied and Environmental Microbiology</i> , 2015, 81, 3379-3386.	3.1	13
30	Expression and Characterization of CYP51, the Ancient Sterol 14-demethylase Activity for Cytochromes P450 (CYP), in the White-Rot Fungus <i>Phanerochaete chrysosporium</i> . <i>Lipids</i> , 2008, 43, 1143-1153.	1.7	12
31	An Enlarged, Adaptable Active Site in CYP164 Family P450 Enzymes, the Sole P450 in <i>Mycobacterium leprae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 391-402.	3.2	6