

Leonard Amaral

List of Publications by Year in descending order

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193
papers

7,985
citations

38742

50
h-index

64796

79
g-index

196
all docs

196
docs citations

196
times ranked

6650
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidrug Efflux Pumps in <i>Staphylococcus aureus</i> : an Update. <i>Open Microbiology Journal</i> , 2013, 7, 59-71.	0.7	314
2	Mechanisms of drug efflux and strategies to combat them: Challenging the efflux pump of Gram-negative bacteria. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 826-833.	2.3	246
3	Geraniol Restores Antibiotic Activities against Multidrug-Resistant Isolates from Gram-Negative Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2209-2211.	3.2	207
4	Clinical Concentrations of Thioridazine Kill Intracellular Multidrug-Resistant <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2003, 47, 917-922.	3.2	191
5	Antibiotic Stress, Genetic Response and Altered Permeability of <i>E. coli</i> . <i>PLoS ONE</i> , 2007, 2, e365.	2.5	184
6	Contribution of Efflux to the Emergence of Isoniazid and Multidrug Resistance in <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2012, 7, e34538.	2.5	177
7	Fluorometric determination of ethidium bromide efflux kinetics in <i>Escherichia coli</i> . <i>Journal of Biological Engineering</i> , 2009, 3, 18.	4.7	164
8	New Roads Leading to Old Destinations: Efflux Pumps as Targets to Reverse Multidrug Resistance in Bacteria. <i>Molecules</i> , 2017, 22, 468.	3.8	142
9	The potential management of resistant infections with non-antibiotics. <i>Journal of Antimicrobial Chemotherapy</i> , 1997, 40, 319-327.	3.0	138
10	Efflux-mediated response of <i>Staphylococcus aureus</i> exposed to ethidium bromide. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 504-513.	3.0	135
11	Demonstration of intrinsic efflux activity of <i>Escherichia coli</i> K-12 AG100 by an automated ethidium bromide method. <i>International Journal of Antimicrobial Agents</i> , 2008, 31, 458-462.	2.5	132
12	Inhibition of the respiration of multi-drug resistant clinical isolates of <i>Mycobacterium tuberculosis</i> by thioridazine: potential use for initial therapy of freshly diagnosed tuberculosis. <i>Journal of Antimicrobial Chemotherapy</i> , 1996, 38, 1049-1053.	3.0	124
13	Potential role of non-antibiotics (helper compounds) in the treatment of multidrug-resistant Gram-negative infections: mechanisms for their direct and indirect activities. <i>International Journal of Antimicrobial Agents</i> , 2008, 31, 198-208.	2.5	124
14	Enhancement of antibiotic activity against poly-drug resistant <i>Mycobacterium tuberculosis</i> by phenothiazines. <i>International Journal of Antimicrobial Agents</i> , 2001, 17, 225-228.	2.5	122
15	Thioridazine and chlorpromazine inhibition of ethidium bromide efflux in <i>Mycobacterium avium</i> and <i>Mycobacterium smegmatis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 1076-1082.	3.0	118
16	Inhibition of quorum sensing signals by essential oils. <i>Phytotherapy Research</i> , 2010, 24, 782-786.	5.8	118
17	Activity of phenothiazines against antibiotic-resistant <i>Mycobacterium tuberculosis</i> : a review supporting further studies that may elucidate the potential use of thioridazine as anti-tuberculosis therapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2001, 47, 505-511.	3.0	116
18	Enhanced killing of intracellular multidrug-resistant <i>Mycobacterium tuberculosis</i> by compounds that affect the activity of efflux pumps. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 1237-1246.	3.0	112

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19	Inducement and Reversal of Tetracycline Resistance in <i>Escherichia coli</i> K-12 and Expression of Proton Gradient-Dependent Multidrug Efflux Pump Genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3578-3582.	3.2	110
20	Efflux pumps of Gram-negative bacteria: what they do, how they do it, with what and how to deal with them. <i>Frontiers in Pharmacology</i> , 2014, 4, 168.	3.5	108
21	Contribution of efflux activity to isoniazid resistance in the <i>Mycobacterium tuberculosis</i> complex. <i>Infection, Genetics and Evolution</i> , 2012, 12, 695-700.	2.3	106
22	Ethidium bromide transport across <i>Mycobacterium smegmatis</i> cell-wall: correlation with antibiotic resistance. <i>BMC Microbiology</i> , 2011, 11, 35.	3.3	101
23	A Simple Method for Assessment of MDR Bacteria for Over-Expressed Efflux Pumps. <i>Open Microbiology Journal</i> , 2013, 7, 72-82.	0.7	97
24	Increased Interleukin-4 Production by CD8 and $\gamma\delta$ T Cells in Health-Care Workers Is Associated with the Subsequent Development of Active Tuberculosis. <i>Journal of Infectious Diseases</i> , 2004, 190, 756-766.	4.0	95
25	Exploring the contribution of efflux on the resistance to fluoroquinolones in clinical isolates of <i>Staphylococcus aureus</i> . <i>BMC Microbiology</i> , 2011, 11, 241.	3.3	93
26	Isoniazid-Induced Transient High-Level Resistance in <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 2804-2810.	3.2	92
27	Review: The phenothiazinium chromophore and the evolution of antimalarial drugs. <i>Tropical Medicine and International Health</i> , 2005, 10, 501-511.	2.3	90
28	Potential management of resistant microbial infections with a novel non-antibiotic: the anti-inflammatory drug diclofenac sodium. <i>International Journal of Antimicrobial Agents</i> , 2007, 30, 242-249.	2.5	89
29	The Antipsychotic Thioridazine Shows Promising Therapeutic Activity in a Mouse Model of Multidrug-Resistant Tuberculosis. <i>PLoS ONE</i> , 2010, 5, e12640.	2.5	81
30	Inhibitors of mycobacterial efflux pumps as potential boosters for anti-tubercular drugs. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 983-998.	4.4	79
31	Thioridazine cures extensively drug-resistant tuberculosis (XDR-TB) and the need for global trials is now!. <i>International Journal of Antimicrobial Agents</i> , 2010, 35, 524-526.	2.5	76
32	Possible Biological and Clinical Applications of Phenothiazines. <i>Anticancer Research</i> , 2017, 37, 5983-5993.	1.1	73
33	The Mechanism of Plasmid Curing in Bacteria. <i>Current Drug Targets</i> , 2006, 7, 823-841.	2.1	72
34	Comparative in vitro activity of phenothiazines against multidrug-resistant <i>Mycobacterium tuberculosis</i> . <i>International Journal of Antimicrobial Agents</i> , 2000, 16, 69-71.	2.5	69
35	Ion Channel Blockers as Antimicrobial Agents, Efflux Inhibitors, and Enhancers of Macrophage Killing Activity against Drug Resistant <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2016, 11, e0149326.	2.5	68
36	<i>Mycobacterium tuberculosis</i> efflux pumps and chemotherapeutic implications. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 274-278.	2.5	67

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37	Why thioridazine in combination with antibiotics cures extensively drug-resistant Mycobacterium tuberculosis infections. <i>International Journal of Antimicrobial Agents</i> , 2012, 39, 376-380.	2.5	67
38	Evaluation of Efflux Activity of Bacteria by a Semi-automated Fluorometric System. <i>Methods in Molecular Biology</i> , 2010, 642, 159-172.	0.9	66
39	Identification and Partial Purification of "Transcortin"-like Protein within Human Lymphocytes. <i>Journal of Biological Chemistry</i> , 1973, 248, 6398-6407.	3.4	66
40	Phenothiazines: an alternative to conventional therapy for the initial management of suspected multidrug resistant tuberculosis. A call for studies. <i>International Journal of Antimicrobial Agents</i> , 2000, 14, 173-176.	2.5	64
41	Direct Application of the INNO-LiPA Rif.TB Line-Probe Assay for Rapid Identification of Mycobacterium tuberculosis Complex Strains and Detection of Rifampin Resistance in 360 Smear-Positive Respiratory Specimens from an Area of High Incidence of Multidrug-Resistant Tuberculosis. <i>Journal of Clinical Microbiology</i> , 2005, 43, 4880-4884.	3.9	63
42	Inhibition of efflux pumps in methicillin-resistant Staphylococcus aureus and Enterococcus faecalis resistant strains by triterpenoids from Momordica balsamina. <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 70-74.	2.5	61
43	Antimicrobial activity of phenothiazines. <i>In Vivo</i> , 2004, 18, 725-31.	1.3	60
44	In vitro and ex vivo activity of thioridazine derivatives against Mycobacterium tuberculosis. <i>International Journal of Antimicrobial Agents</i> , 2007, 29, 338-340.	2.5	59
45	Intracellular activity of clinical concentrations of phenothiazines including thioridazine against phagocytosed Staphylococcus aureus. <i>International Journal of Antimicrobial Agents</i> , 2002, 20, 34-43.	2.5	58
46	Phenothiazines: potential management of Creutzfeldt-Jacob disease and its variants. <i>International Journal of Antimicrobial Agents</i> , 2001, 18, 411-417.	2.5	57
47	Thioridazine: A Non-Antibiotic Drug Highly Effective, in Combination with First Line Anti-Tuberculosis Drugs, against Any Form of Antibiotic Resistance of Mycobacterium tuberculosis Due to Its Multi-Mechanisms of Action. <i>Antibiotics</i> , 2017, 6, 3.	3.7	57
48	The role of efflux pumps in macrolide resistance in Mycobacterium avium complex. <i>International Journal of Antimicrobial Agents</i> , 2009, 34, 529-533.	2.5	56
49	Characterization of antimicrobial resistance in Salmonella enterica food and animal isolates from Colombia: identification of a qnrB19-mediated quinolone resistance marker in two novel serovars. <i>FEMS Microbiology Letters</i> , 2010, 313, 10-19.	1.8	55
50	Quinazoline derivatives are efficient chemosensitizers of antibiotic activity in Enterobacter aerogenes, Klebsiella pneumoniae and Pseudomonas aeruginosa resistant strains. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 164-168.	2.5	54
51	The post-antibiotic effect defined by bacterial morphology. <i>Journal of Antimicrobial Chemotherapy</i> , 1989, 23, 485-491.	3.0	53
52	pH Modulation of Efflux Pump Activity of Multi-Drug Resistant Escherichia coli: Protection During Its Passage and Eventual Colonization of the Colon. <i>PLoS ONE</i> , 2009, 4, e6656.	2.5	53
53	Identification of selenocompounds with promising properties to reverse cancer multidrug resistance. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2821-2824.	2.2	53
54	"Non-Antibiotics": Alternative Therapy for the Management of MDRTB and MRSA in Economically Disadvantaged Countries. <i>Current Drug Targets</i> , 2006, 7, 887-891.	2.1	52

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55	Phenothiazines alter resistance of methicillin-resistant strains of <i>Staphylococcus aureus</i> (MRSA) to oxacillin in vitro. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 250-253.	2.5	50
56	An Original Deal for New Molecule: Reversal of Efflux Pump Activity, A Rational Strategy to Combat Gram-Negative Resistant Bacteria. <i>Current Medicinal Chemistry</i> , 2011, 18, 2969-2980.	2.4	47
57	Phenothiazines: potential alternatives for the management of antibiotic resistant infections of tuberculosis and malaria in developing countries. <i>Tropical Medicine and International Health</i> , 2001, 6, 1016-1022.	2.3	46
58	Antibacterial properties of compounds isolated from <i>Carpobrotus edulis</i> . <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 438-444.	2.5	46
59	Synergic effect of chlorpromazine on the activity of some antibiotics. <i>Journal of Antimicrobial Chemotherapy</i> , 1992, 30, 556-558.	3.0	45
60	Inhibition of Drug Efflux in Mycobacteria with Phenothiazines and Other Putative Efflux Inhibitors. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2011, 6, 118-127.	0.8	45
61	Antibacterial activity of ergosterol peroxide against <i>Mycobacterium tuberculosis</i> : dependence upon system and medium employed. <i>Phytotherapy Research</i> , 2007, 21, 601-604.	5.8	44
62	Promising Therapy of XDR-TB/MDR-TB with Thioridazine an Inhibitor of Bacterial Efflux Pumps. <i>Current Drug Targets</i> , 2008, 9, 816-819.	2.1	43
63	Non-antibiotics reverse resistance of bacteria to antibiotics. <i>In Vivo</i> , 2010, 24, 751-4.	1.3	43
64	New Methods for the Identification of Efflux Mediated MDR Bacteria, Genetic Assessment of Regulators and Efflux Pump Constituents, Characterization of Efflux Systems and Screening for Inhibitors of Efflux Pumps. <i>Current Drug Targets</i> , 2008, 9, 760-778.	2.1	41
65	Role of calcium in the efflux system of <i>Escherichia coli</i> . <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 410-414.	2.5	41
66	Efflux Pumps of Gram-Negative Bacteria: Genetic Responses to Stress and the Modulation of their Activity by pH, Inhibitors, and Phenothiazines. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2011, 77, 61-108.	1.3	41
67	Role of Phenothiazines and Structurally Similar Compounds of Plant Origin in the Fight against Infections by Drug Resistant Bacteria. <i>Antibiotics</i> , 2013, 2, 58-72.	3.7	41
68	Identification of efflux pump-mediated multidrug-resistant bacteria by the ethidium bromide-agar cartwheel method. <i>In Vivo</i> , 2011, 25, 171-8.	1.3	41
69	Sublethal Concentrations of Antibiotics, Effects on Bacteria and the Immune System. <i>CRC Critical Reviews in Microbiology</i> , 1982, 9, 101-138.	4.8	40
70	The Anticancer Activity of the Old Neuroleptic Phenothiazine-type Drug Thioridazine. <i>Anticancer Research</i> , 2016, 36, 5701-5706.	1.1	40
71	Interaction between antibiotics and non-conventional antibiotics on bacteria. <i>International Journal of Antimicrobial Agents</i> , 2000, 14, 239-242.	2.5	39
72	Effects of chlorpromazine on the cell envelope proteins of <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1991, 35, 1923-1924.	3.2	36

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73	Identification of breast cancer transcortin and its inhibitory role in cell-mediated immunity. <i>Nature</i> , 1976, 262, 589-590.	27.8	35
74	Phenothiazines, bacterial efflux pumps and targeting the macrophage for enhanced killing of intracellular XDRTB. <i>In Vivo</i> , 2010, 24, 409-24.	1.3	35
75	<i>Carpobrotus edulis</i> methanol extract inhibits the MDR efflux pumps, enhances killing of phagocytosed <i>S. aureus</i> and promotes immune modulation. <i>Phytotherapy Research</i> , 2003, 17, 512-519.	5.8	33
76	Resistance to Antimicrobials Mediated by Efflux Pumps in <i>Staphylococcus aureus</i> . <i>Antibiotics</i> , 2013, 2, 83-99.	3.7	33
77	Review. Comparison of multidrug resistant efflux pumps of cancer and bacterial cells with respect to the same inhibitory agents. <i>In Vivo</i> , 2007, 21, 237-44.	1.3	33
78	Inhibition of the <i>Carpobrotus edulis</i> methanol extract on the growth of phagocytosed multidrug-resistant <i>Mycobacterium tuberculosis</i> and methicillin-resistant <i>Staphylococcus aureus</i> . <i>FÁ-toterap</i> , 2005, 76, 96-99.	2.2	32
79	SILA 421, an inhibitor of efflux pumps of cancer cells, enhances the killing of intracellular extensively drug-resistant tuberculosis (XDR-TB). <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 479-482.	2.5	32
80	Ethidium bromide efflux by <i>Salmonella</i> : modulation by metabolic energy, pH, ions and phenothiazines. <i>International Journal of Antimicrobial Agents</i> , 2011, 38, 140-145.	2.5	32
81	Thioridazine reduces resistance of methicillin-resistant <i>staphylococcus aureus</i> by inhibiting a reserpine-sensitive efflux pump. <i>In Vivo</i> , 2006, 20, 361-6.	1.3	32
82	Chlorpromazine has intracellular killing activity against phagocytosed <i>Staphylococcus aureus</i> at clinical concentrations. <i>Journal of Infection and Chemotherapy</i> , 2002, 8, 227-231.	1.7	31
83	The curative activity of thioridazine on mice infected with <i>Mycobacterium tuberculosis</i> . <i>In Vivo</i> , 2007, 21, 771-5.	1.3	30
84	An instrument-free method for the demonstration of efflux pump activity of bacteria. <i>In Vivo</i> , 2006, 20, 657-64.	1.3	29
85	Protein Synthesis in Human Leukocytes and Lymphocytes: 1. Effect of Steroids and Sterols. <i>Blood</i> , 1969, 34, 348-356.	1.4	28
86	Identification of nontuberculous mycobacteria in clinical samples using molecular methods: a 3-year study. <i>Clinical Microbiology and Infection</i> , 2010, 16, 1161-1164.	6.0	28
87	An AcrAB-mediated multidrug-resistant phenotype is maintained following restoration of wild-type activities by efflux pump genes and their regulators. <i>International Journal of Antimicrobial Agents</i> , 2009, 34, 602-604.	2.5	27
88	Ecdysteroids Sensitize MDR and Non-MDR Cancer Cell Lines to Doxorubicin, Paclitaxel, and Vincristine but Tend to Protect Them from Cisplatin. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	27
89	New Patentable Use of an Old Neuroleptic Compound Thioridazine to Combat Tuberculosis: A Gene Regulation Perspective. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2011, 6, 128-138.	0.8	27
90	Inhibition of quorum sensing and efflux pump system by trifluoromethyl ketone proton pump inhibitors. <i>In Vivo</i> , 2012, 26, 277-85.	1.3	27

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91	Lymphopenic response of patients presenting with chronic lymphocytic leukemia associated with carcinoma of the prostate to diethylstilbestrol: Correlation of response to the in vitro synthesis of rna by patient lymphocytes and its relationship to transcortin. American Journal of Hematology, 1980, 8, 369-375.	4.1	26
92	In vitro activity of thioridazine against mycobacteria. International Journal of Antimicrobial Agents, 2009, 34, 190-191.	2.5	26
93	Biological activity of hydantoin derivatives on P-glycoprotein (ABCB1) of mouse lymphoma cells. Anticancer Research, 2010, 30, 4867-71.	1.1	26
94	Enhancement of plasmid curing by 9-aminoacridine and two phenothiazines in the presence of proton pump inhibitor 1-(2-benzoxazolyl)-3,3,3-trifluoro-2-propanone. International Journal of Antimicrobial Agents, 2003, 22, 223-227.	2.5	25
95	Identification of Efflux-Mediated Multi-drug Resistance in Bacterial Clinical Isolates by Two Simple Methods. Methods in Molecular Biology, 2010, 642, 143-157.	0.9	25
96	Thioridazine Alters the Cell-Envelope Permeability of <i>Mycobacterium tuberculosis</i> . Journal of Proteome Research, 2016, 15, 1776-1786.	3.7	25
97	Exposure of Chlorpromazine to 266 nm Laser Beam Generates New Species with Antibacterial Properties: Contributions to Development of a New Process for Drug Discovery. PLoS ONE, 2013, 8, e55767.	2.5	25
98	The Vitamin B1 Metabolism of Staphylococcus aureus Is Controlled at Enzymatic and Transcriptional Levels. PLoS ONE, 2009, 4, e7656.	2.5	24
99	Synthesis and Structure-Activity Relationships of Novel Ecdysteroid Dioxolanes as MDR Modulators in Cancer. Molecules, 2013, 18, 15255-15275.	3.8	24
100	Thioridazine induces apoptosis of multidrug-resistant mouse lymphoma cells transfected with the human ABCB1 and inhibits the expression of P-glycoprotein. Anticancer Research, 2011, 31, 4201-5.	1.1	24
101	Prolonged exposure of methicillin-resistant Staphylococcus aureus (MRSA) COL strain to increasing concentrations of oxacillin results in a multidrug-resistant phenotype. International Journal of Antimicrobial Agents, 2007, 29, 302-305.	2.5	23
102	Thioridazine protects the mouse from a virulent infection by Salmonella enterica serovar Typhimurium 74. International Journal of Antimicrobial Agents, 2010, 35, 174-176.	2.5	23
103	Identification of the plasmid-encoded qacA efflux pump gene in methicillin-resistant Staphylococcus aureus (MRSA) strain HPV107, a representative of the MRSA Iberian clone. International Journal of Antimicrobial Agents, 2010, 36, 557-561.	2.5	23
104	Placenta, transcortin, and localized immune response.. Journal of Clinical Investigation, 1976, 57, 1000-1008.	8.2	23
105	Mechanisms of Resistance in Bacteria: An Evolutionary Approach. Open Microbiology Journal, 2013, 7, 53-58.	0.7	23
106	Inhibitors of Ca ²⁺ and K ⁺ transport enhance intracellular killing of M. tuberculosis by non-killing macrophages. In Vivo, 2008, 22, 69-75.	1.3	23
107	Biological activity of twenty-three hydantoin derivatives on intrinsic efflux pump system of Salmonella enterica serovar Enteritidis NCTC 13349. In Vivo, 2011, 25, 769-72.	1.3	23
108	The effects of chlorpromazine on the outer cell wall of Salmonella typhimurium in ensuring resistance to the drug. International Journal of Antimicrobial Agents, 2000, 14, 225-229.	2.5	22

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109	Description of plasmid pSM52, harbouring the gene for the Smr efflux pump, and its involvement in resistance to biocides in a methicillin-resistant <i>Staphylococcus aureus</i> strain. <i>International Journal of Antimicrobial Agents</i> , 2013, 41, 490-492.	2.5	22
110	Imidazolidine-4-one derivatives in the search for novel chemosensitizers of <i>Staphylococcus aureus</i> MRSA: Synthesis, biological evaluation and molecular modeling studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 313-325.	5.5	22
111	Reversal of ABCB1-related Multidrug Resistance of Colonic Adenocarcinoma Cells by Phenothiazines. <i>Anticancer Research</i> , 2015, 35, 3245-51.	1.1	22
112	Anti-plasmid effect of promethazine in mixed bacterial cultures. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 217-222.	2.5	21
113	Phenothiazines as Anti-Multi-Drug Resistant Tubercular Agents. <i>Infectious Disorders - Drug Targets</i> , 2007, 7, 257-265.	0.8	21
114	Genetic response of <i>Salmonella enterica</i> serotype Enteritidis to thioridazine rendering the organism resistant to the agent. <i>International Journal of Antimicrobial Agents</i> , 2012, 39, 16-21.	2.5	21
115	Characterization of mixtures of compounds produced in chlorpromazine aqueous solutions by ultraviolet laser irradiation: their applications in antimicrobial assays. <i>Journal of Biomedical Optics</i> , 2014, 20, 1.	2.6	21
116	The added effect of thioridazine in the treatment of drug-resistant tuberculosis [Correspondence]. <i>International Journal of Tuberculosis and Lung Disease</i> , 2012, 16, 1706-1708.	1.2	20
117	Direct Modification of Bioactive Phenothiazines by Exposure to Laser Radiation. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2011, 6, 147-157.	0.8	19
118	Clinical concentrations of thioridazine enhance the killing of intracellular methicillin-resistant <i>Staphylococcus aureus</i> : an in vivo, ex vivo and electron microscopy study. <i>In Vivo</i> , 2004, 18, 787-94.	1.3	19
119	The in vitro activity of phenothiazines against <i>Mycobacterium avium</i> : potential of thioridazine for therapy of the co-infected AIDS patient. <i>In Vivo</i> , 2005, 19, 733-6.	1.3	18
120	Synergistic interaction between proton pump inhibitors and resistance modifiers: promoting effects of antibiotics and plasmid curing. <i>In Vivo</i> , 2006, 20, 367-72.	1.3	18
121	The Response of Leukemic Lymphocytes to Cortisol: A Suggested Role of Transcortin. <i>Blood</i> , 1971, 37, 463-472.	1.4	17
122	Evaluation of forty new phenothiazine derivatives for activity against intrinsic efflux pump systems of reference <i>Escherichia coli</i> , <i>Salmonella Enteritidis</i> , <i>Enterococcus faecalis</i> and <i>Staphylococcus aureus</i> strains. <i>In Vivo</i> , 2011, 25, 719-24.	1.3	17
123	Quantitation of lactate dehydrogenase isoenzyme patterns of the developing human fetus. <i>Clinica Chimica Acta</i> , 1973, 45, 5-8.	1.1	16
124	Gamma delta T cell responses associated with the development of tuberculosis in health care workers. <i>FEMS Immunology and Medical Microbiology</i> , 2005, 43, 339-350.	2.7	16
125	Inhibitors of bacterial efflux pumps that also inhibit efflux pumps of cancer cells. <i>Anticancer Research</i> , 2012, 32, 2947-57.	1.1	16
126	Pulmonary Lesions Induced by Chronic Exposure to Ozone. <i>Archives of Environmental Health</i> , 1974, 29, 164-166.	0.4	15

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127	Modulation of multidrug efflux pump activity by new hydantoin derivatives on colon adenocarcinoma cells without inducing apoptosis. <i>Anticancer Research</i> , 2011, 31, 3285-8.	1.1	15
128	Potential therapy of multidrug-resistant and extremely drug-resistant tuberculosis with thioridazine. <i>In Vivo</i> , 2012, 26, 231-6.	1.3	15
129	Protein synthesis in human leukocytes and lymphocytes: 4. The effect of cortisol on RNA and protein synthesis in lymphocytes. <i>Life Sciences</i> , 1971, 10, 1039-1046.	4.3	14
130	Penicillin-binding site on the Escherichia coli cell envelope. <i>Journal of Bacteriology</i> , 1986, 167, 492-495.	2.2	14
131	Since phenothiazines alter antibiotic susceptibility of microorganisms by inhibiting efflux pumps, are these agents useful for evaluating similar pumps in phenothiazine-sensitive parasites?. <i>International Journal of Antimicrobial Agents</i> , 2003, 22, 347-351.	2.5	14
132	Physiological characterisation of the efflux pump system of antibiotic-susceptible and multidrug-resistant <i>Enterobacter aerogenes</i> . <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 313-318.	2.5	14
133	Mechanisms of Antibiotic Resistance in Salmonella: Efflux Pumps, Genetics, Quorum Sensing and Biofilm Formation. <i>Letters in Drug Design and Discovery</i> , 2011, 8, 114-123.	0.7	14
134	Why and How the Old Neuroleptic Thioridazine Cures the XDR-TB Patient. <i>Pharmaceuticals</i> , 2012, 5, 1021-1031.	3.8	14
135	Identification of Important Compounds Isolated from Natural Sources that Have Activity Against Multidrug-resistant Cancer Cell Lines: Effects on Proliferation, Apoptotic Mechanism and the Efflux Pump Responsible for Multi-resistance Phenotype. <i>Anticancer Research</i> , 2016, 36, 5665-5672.	1.1	14
136	Molecular tools for rapid identification and novel effective therapy against MDRTB/XDRTB infections. <i>Expert Review of Anti-Infective Therapy</i> , 2010, 8, 465-480.	4.4	13
137	Activity of the efflux pump inhibitor SILA 421 against drug-resistant tuberculosis. <i>International Journal of Antimicrobial Agents</i> , 2013, 41, 488-489.	2.5	13
138	Rapid, laser-induced conversion of 20-hydroxyecdysone – A follow-up study on the products obtained. <i>Steroids</i> , 2014, 89, 56-62.	1.8	13
139	Therapy of XDR TB with Thioridazine a Drug Beyond Patent Protection but Eligible for Patent “As New Use”. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2010, 5, 109-114.	0.8	11
140	The Role of Efflux Pumps and Environmental pH in Bacterial Multidrug Resistance. <i>In Vivo</i> , 2020, 34, 65-71.	1.3	10
141	Demonstration of the activity of P-glycoprotein by a semi-automated fluorometric method. <i>Anticancer Research</i> , 2009, 29, 2173-7.	1.1	10
142	The TB laboratory of the future: macrophage-based selection of XDR-TB therapeutics. <i>Future Microbiology</i> , 2008, 3, 135-144.	2.0	9
143	Why and how thioridazine in combination with antibiotics to which the infective strain is resistant will cure totally drug-resistant tuberculosis. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 869-873.	4.4	9
144	Fluorimetric Methods for Analysis of Permeability, Drug Transport Kinetics, and Inhibition of the ABCB1 Membrane Transporter. <i>Methods in Molecular Biology</i> , 2016, 1395, 87-103.	0.9	9

#	ARTICLE	IF	CITATIONS
145	Quorum Sensing Inhibition by Phenothiazines and Related Compounds. <i>Letters in Drug Design and Discovery</i> , 2011, 8, 133-137.	0.7	9
146	The activity of 16 new hydantoin compounds on the intrinsic and overexpressed efflux pump system of <i>Staphylococcus aureus</i> . <i>In Vivo</i> , 2012, 26, 223-9.	1.3	9
147	Effect of thioridazine stereoisomers on the drug accumulation of mouse lymphoma and human prostate cancer cell lines in vitro. <i>In Vivo</i> , 2013, 27, 815-20.	1.3	9
148	Multidrug resistance reversing activity of newly developed phenothiazines on P-glycoprotein (ABCB1)-related resistance of mouse T-lymphoma cells. <i>Anticancer Research</i> , 2014, 34, 1737-41.	1.1	9
149	Ultrastructure alterations of <i>Staphylococcus aureus</i> exposed to RP59500. <i>Journal of Antimicrobial Chemotherapy</i> , 1994, 33, 625-628.	3.0	8
150	Characterization of intrinsic efflux activity of <i>Enterococcus faecalis</i> ATCC29212 by a semi-automated ethidium bromide method. <i>In Vivo</i> , 2009, 23, 81-7.	1.3	8
151	Effect of Subminimal Inhibitory Concentrations of Mecillinam on the Synthesis of DNA, RNA, and Protein of <i>Salmonella typhimurium</i> : A Proposed Mechanism of Action*. <i>Clinical Infectious Diseases</i> , 1979, 1, 813-820.	5.8	7
152	Cortisol resistant RPMI-1788 lymphocytes become sensitive to cortisol subsequent to a 24-h incubation period in medium containing purified human transcortin. <i>Experientia</i> , 1981, 37, 903-904.	1.2	7
153	Screening for efflux pump systems of bacteria by the new acridine orange agar method. <i>In Vivo</i> , 2012, 26, 203-6.	1.3	7
154	5-arylidene(thio)hydantoin derivatives as modulators of cancer efflux pump. <i>Acta Polonicae Pharmaceutica</i> , 2012, 69, 149-56.	0.1	7
155	Thioridazine: an old neuroleptic effective against totally drug resistant tuberculosis. <i>Acta Medica Portuguesa</i> , 2012, 25, 118-21.	0.4	7
156	Thermodynamics and Electro-Biologic Prospects for Therapies to Intervene in Cancer Progression. <i>Current Cancer Therapy Reviews</i> , 2009, 5, 158-169.	0.3	6
157	Effective Therapy with the Neuroleptic Thioridazine as an Adjunct to Second Line of Defence Drugs, and the Potential that Thioridazine Offers for New Patents that Cover a Variety of 'New Uses'. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2011, 6, 84-87.	0.8	6
158	Mechanisms by which thioridazine in combination with antibiotics cures extensively drug-resistant infections of pulmonary tuberculosis. <i>In Vivo</i> , 2014, 28, 267-71.	1.3	6
159	Photobactericides – A Local Option against Multi-Drug Resistant Bacteria. <i>Antibiotics</i> , 2013, 2, 182-190.	3.7	5
160	Elimination of plasmids by SILA compounds that inhibit efflux pumps of bacteria and cancer cells. <i>In Vivo</i> , 2007, 21, 635-9.	1.3	5
161	Evaluation of cucurbitane-type triterpenoids from <i>Momordica balsamina</i> on P-glycoprotein (ABCB1) by flow cytometry and real-time fluorometry. <i>Anticancer Research</i> , 2009, 29, 3989-93.	1.1	5
162	Competition between substrates of the efflux pump system of <i>Salmonella enteritidis</i> . <i>In Vivo</i> , 2011, 25, 597-602.	1.3	5

#	ARTICLE	IF	CITATIONS
163	The in vitro activity of products formed from exposure of chlorpromazine to a 266 nm laser beam against species of mycobacteria of human interest. <i>In Vivo</i> , 2013, 27, 605-10.	1.3	5
164	Transport of cortisol by cultured chronic lymphocytic leukemic lymphocytes. <i>Experientia</i> , 1971, 27, 511-512.	1.2	4
165	Acrylamide Gel Electrophoretic Abnormalities in Chronic Lymphatic Leukemic Sera. <i>American Journal of Clinical Pathology</i> , 1971, 55, 65-67.	0.7	3
166	Effects of beta-lactam antibiotics on thymidine incorporation of bacteria. <i>Current Microbiology</i> , 1981, 5, 375-378.	2.2	3
167	Editorial [Hot topic: Control and Regulation of Permeability of MDR Bacterial Pathogens to Antibiotics Presented by COST Action BM0701 (Guest Editors: L. Amaral and J.M. Pages)]. <i>Current Drug Targets</i> , 2008, 9, 718-718.	2.1	3
168	Selective hydroboration of dieneamines. Formation of hydroxyalkylphenothiazines as MDR modulators. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4258-4270.	3.0	3
169	A Cheap and Effective Anti-Mdr/Xdr/Tdr Tb Drug is Already Available. <i>Biochemistry & Pharmacology: Open Access</i> , 2012, 01, .	0.2	3
170	Laser beam resonant interaction of new hydantoin derivatives droplets for possible biomedical applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 37-46.	4.7	3
171	Reserpine, Ouabain and the Calcium Channel Blocker Verapamil, Cause Intracellular Killing of <i>Staphylococcus aureus</i> . <i>Research Journal of Microbiology</i> , 2006, 1, 203-209.	0.2	3
172	Activity of fourteen new hydantoin compounds on the human ABCB1 efflux pump. <i>In Vivo</i> , 2012, 26, 293-7.	1.3	3
173	THE EFFECT OF CORTISONE ON THE VOLUME AND TOTAL PROTEIN CONTENT OF MOUSE LIVER NUCLEI. <i>Journal of Cell Biology</i> , 1969, 42, 835-837.	5.2	2
174	THE EFFECT OF CORTISOL ON THE INCORPORATION OF RNA AND PROTEIN PRECURSORS INTO THE NUCLEUS AND CYTOPLASM OF HUMAN NEUTROPHILS CULTURED IN VITRO. <i>European Journal of Endocrinology</i> , 1970, 65, 497-501.	3.7	2
175	Effect of cortisol on the ultrastructure of normal, leukemic, and cultured human lymphocytes. <i>In Vitro</i> , 1975, 11, 212-223.	1.2	2
176	Serum B-12 binding as determined by the method of disc-acrylamide electrophoresis. <i>Clinica Chimica Acta</i> , 1975, 62, 341-348.	1.1	2
177	The Effect of Steroids on the Synthesis of RNA by Isolated T and B Lymphocytes of Normal Donors and Patients with Chronic Lymphocytic Leukemia. <i>American Journal of Clinical Pathology</i> , 1981, 75, 382-387.	0.7	2
178	Effects of low concentration of antibiotics. <i>Antimicrobial Newsletter</i> , 1990, 7, 65-70.	0.9	2
179	The Mechanism by which the Phenothiazine Thioridazine Contributes to Cure Problematic Drug-Resistant Forms of Pulmonary Tuberculosis: Recent Patents for "New Use": Recent Patents on Anti-infective Drug Discovery, 2014, 8, 206-212.	0.8	2
180	Effects of two disiloxanes ALIS-409 and ALIS-421 on chemoprevention in model experiments. <i>Anticancer Research</i> , 2013, 33, 2021-7.	1.1	2

#	ARTICLE	IF	CITATIONS
181	An autoradiographic study of root cell differentiation in. <i>Life Sciences</i> , 1969, 8, 683-687.	4.3	1
182	Absence of alterations in antigenic determinants in <i>Salmonella typhimurium</i> after mecillinam-induced morphological changes. <i>Current Microbiology</i> , 1980, 4, 309-312.	2.2	1
183	Development, replication, and reversion of mecillinam-induced ovoid form of <i>Salmonella typhimurium</i> . <i>Current Microbiology</i> , 1981, 5, 207-211.	2.2	1
184	Foreword. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2011, 6, 76-76.	0.8	1
185	Predictive Value of Blood Cultures. <i>Infection Control and Hospital Epidemiology</i> , 1992, 13, 293-294.	1.8	1
186	Thioridazine: Alternative and Potentially Effective Therapy of the XDRTB Patient. <i>Letters in Drug Design and Discovery</i> , 2011, 8, 130-132.	0.7	1
187	Electrophoretic Abnormalities in Chronic Lymphocytic Leukemia and Cancer Sera. <i>American Journal of Clinical Pathology</i> , 1976, 65, 40-44.	0.7	0
188	Ratio of bacterial mass to colony-forming units: A new criterion for the study of susceptibility to antimicrobics. <i>Infectious Diseases Newsletter (New York, N Y)</i> , 1985, 4, 75-77.	0.4	0
189	Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
190	Advances in Personalised Treatment of Multi-drug Resistant Tuberculosis. <i>Biochemistry & Pharmacology: Open Access</i> , 2014, 03, .	0.2	0
191	BM0701: Antibiotic Transport and Efflux: New Strategies to Combat Bacterial Resistance (ATENS). <i>Letters in Drug Design and Discovery</i> , 2011, 8, 101-101.	0.7	0
192	Preface - Regulation and Control of Efflux Pumps that Mediate Multi-drug Resistance of Pathogenic Bacteria. <i>Open Microbiology Journal</i> , 2013, 7, 21-21.	0.7	0
193	Modelling of tumour-host coexistence In vitro in the presence of serine protease inhibitors. <i>In Vivo</i> , 2009, 23, 711-5.	1.3	0