

Larry A Walker

List of Publications by Year in descending order

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81
papers

2,458
citations

201674

27
h-index

223800

46
g-index

81
all docs

81
docs citations

81
times ranked

3421
citing authors

#	ARTICLE	IF	CITATIONS
1	The metabolism of primaquine to its active metabolite is dependent on CYP 2D6. <i>Malaria Journal</i> , 2013, 12, 212.	2.3	152
2	8-Aminoquinolines: future role as antiprotozoal drugs. <i>Current Opinion in Infectious Diseases</i> , 2006, 19, 623-631.	3.1	116
3	Current Status and Prospects for Cannabidiol Preparations as New Therapeutic Agents. <i>Pharmacotherapy</i> , 2016, 36, 781-796.	2.6	110
4	Cannabis cultivation: Methodological issues for obtaining medical-grade product. <i>Epilepsy and Behavior</i> , 2017, 70, 302-312.	1.7	106
5	CYP450 phenotyping and accurate mass identification of metabolites of the 8-aminoquinoline, anti-malarial drug primaquine. <i>Malaria Journal</i> , 2012, 11, 259.	2.3	97
6	Hepatotoxicity of a Cannabidiol-Rich Cannabis Extract in the Mouse Model. <i>Molecules</i> , 2019, 24, 1694.	3.8	90
7	Understanding the mechanisms for metabolism-linked hemolytic toxicity of primaquine against glucose 6-phosphate dehydrogenase deficient human erythrocytes: Evaluation of eryptotic pathway. <i>Toxicology</i> , 2012, 294, 54-60.	4.2	89
8	Tafenoquine and NPC-1161B require CYP 2D metabolism for anti-malarial activity: implications for the 8-aminoquinoline class of anti-malarial compounds. <i>Malaria Journal</i> , 2014, 13, 2.	2.3	73
9	Constituents of <i>Nelumbo nucifera</i> leaves and their antimalarial and antifungal activity. <i>Phytochemistry Letters</i> , 2008, 1, 89-93.	1.2	72
10	Cytochrome P450-dependent toxic effects of primaquine on human erythrocytes. <i>Toxicology and Applied Pharmacology</i> , 2009, 241, 14-22.	2.8	67
11	Differential CYP 2D6 Metabolism Alters Primaquine Pharmacokinetics. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2380-2387.	3.2	66
12	Determination of Heavy Metals and Pesticides in Ginseng Products. <i>Journal of AOAC INTERNATIONAL</i> , 2001, 84, 936-939.	1.5	65
13	Evaluation of In Vitro Absorption, Distribution, Metabolism, and Excretion (ADME) Properties of Mitragynine, 7-Hydroxymitragynine, and Mitraphylline. <i>Planta Medica</i> , 2014, 80, 568-576.	1.3	61
14	Content versus Label Claims in Cannabidiol (CBD)-Containing Products Obtained from Commercial Outlets in the State of Mississippi. <i>Journal of Dietary Supplements</i> , 2020, 17, 599-607.	2.6	60
15	New Indole Alkaloids from the Bark of <i>Nauclea orientalis</i> . <i>Journal of Natural Products</i> , 2001, 64, 1001-1005.	3.0	56
16	Nonsteroidal anti-inflammatory drug activated gene-1 (NAG-1) modulators from natural products as anti-cancer agents. <i>Life Sciences</i> , 2014, 100, 75-84.	4.3	56
17	Unequivocal determination of caulamidines A and B: application and validation of new tools in the structure elucidation tool box. <i>Chemical Science</i> , 2018, 9, 307-314.	7.4	55
18	A New Metabolite with a Unique 4-Pyranone- β -Lactam-1,4-Thiazine Moiety from a Hawaiian-Plant Associated Fungus. <i>Organic Letters</i> , 2015, 17, 3556-3559.	4.6	54

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19	Monoamine Oxidase Inhibitory Constituents of Propolis: Kinetics and Mechanism of Inhibition of Recombinant Human MAO-A and MAO-B. <i>Molecules</i> , 2014, 19, 18936-18952.	3.8	53
20	The anticancer potential of steroidal saponin, dioscin, isolated from wild yam (<i>Dioscorea villosa</i>) root extract in invasive human breast cancer cell line MDA-MB-231 in vitro. <i>Archives of Biochemistry and Biophysics</i> , 2016, 591, 98-110.	3.0	52
21	Meroterpenoids with Antiproliferative Activity from a Hawaiian-Plant Associated Fungus <i>Peyronellaea coffeae-arabicae</i> FT238. <i>Organic Letters</i> , 2016, 18, 2335-2338.	4.6	43
22	Differential Cytochrome P450 2D Metabolism Alters Tafenoquine Pharmacokinetics. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3864-3869.	3.2	36
23	<i>Plasmodium vivax</i> chloroquine resistance links to pvcrt transcription in a genetic cross. <i>Nature Communications</i> , 2019, 10, 4300.	12.8	35
24	PXR mediated induction of CYP3A4, CYP1A2, and P-gp by <i>Mitragyna speciosa</i> and its alkaloids. <i>Phytotherapy Research</i> , 2017, 31, 1935-1945.	5.8	33
25	Isolation of Acacetin from <i>Calea urticifolia</i> with Inhibitory Properties against Human Monoamine Oxidase-A and -B. <i>Journal of Natural Products</i> , 2016, 79, 2538-2544.	3.0	32
26	<i>Echinacea purpurea</i> up-regulates CYP1A2, CYP3A4 and MDR1 gene expression by activation of pregnane X receptor pathway. <i>Xenobiotica</i> , 2015, 45, 218-229.	1.1	31
27	Screening North American plant extracts in vitro against <i>Trypanosoma brucei</i> for discovery of new antitrypanosomal drug leads. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 131.	3.7	31
28	Antimicrobial, Antiparasitic and Cytotoxic Spermene Alkaloids from <i>Albizia Schimperiana</i> . <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.5	28
29	Enantioselective metabolism of primaquine by human CYP2D6. <i>Malaria Journal</i> , 2014, 13, 507.	2.3	28
30	Metabolism of primaquine in normal human volunteers: investigation of phase I and phase II metabolites from plasma and urine using ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. <i>Malaria Journal</i> , 2018, 17, 294.	2.3	28
31	Clinically Relevant Pharmacokinetic Herb-drug Interactions in Antiretroviral Therapy. <i>Current Drug Metabolism</i> , 2015, 17, 52-64.	1.2	27
32	Potential Probiotic or Trigger of Gut Inflammation – The Janus-Faced Nature of Cannabidiol-Rich Cannabis Extract. <i>Journal of Dietary Supplements</i> , 2020, 17, 543-560.	2.6	25
33	Profiling primaquine metabolites in primary human hepatocytes using UHPLC-QTOF-MS with ¹³ C stable isotope labeling. <i>Journal of Mass Spectrometry</i> , 2013, 48, 276-285.	1.6	24
34	Cannabidiol (CBD) in Dietary Supplements: Perspectives on Science, Safety, and Potential Regulatory Approaches. <i>Journal of Dietary Supplements</i> , 2020, 17, 493-502.	2.6	23
35	Evaluation of drug interaction potential of <i>Labisia pumila</i> (Kacip Fatimah) and its constituents. <i>Frontiers in Pharmacology</i> , 2014, 5, 178.	3.5	21
36	Pharmacokinetics and Pharmacodynamics of (+)-Primaquine and (–)-Primaquine Enantiomers in Rhesus Macaques (<i>Macaca mulatta</i>). <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 7283-7291.	3.2	21

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37	Formation primaquine-5,6-orthoquinone, the putative active and toxic metabolite of primaquine via direct oxidation in human erythrocytes. <i>Malaria Journal</i> , 2019, 18, 30.	2.3	21
38	Enantioselective Pharmacokinetics of Primaquine in Healthy Human Volunteers. <i>Drug Metabolism and Disposition</i> , 2015, 43, 571-577.	3.3	20
39	Both Phenolic and Non-phenolic Green Tea Fractions Inhibit Migration of Cancer Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 398.	3.5	20
40	Antimicrobial and Antiparasitic Abietane Diterpenoids from the Roots of <i>Clerodendrum eriophyllum</i> . <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	19
41	Pathway-specific inhibition of primaquine metabolism by chloroquine/quinine. <i>Malaria Journal</i> , 2016, 15, 466.	2.3	19
42	Differential kinetic profiles and metabolism of primaquine enantiomers by human hepatocytes. <i>Malaria Journal</i> , 2016, 15, 224.	2.3	19
43	Paradoxical Patterns of Sinusoidal Obstruction Syndrome-Like Liver Injury in Aged Female CD-1 Mice Triggered by Cannabidiol-Rich Cannabis Extract and Acetaminophen Co-Administration. <i>Molecules</i> , 2019, 24, 2256.	3.8	19
44	A New Naphthopyrone Derivative from <i>Cassia quinquangulata</i> and Structural Revision of Quinquangulin and Its Glycosides. <i>Journal of Natural Products</i> , 2001, 64, 1153-1156.	3.0	18
45	Analysis of primaquine and its metabolite carboxyprimaquine in biological samples: enantiomeric separation, method validation and quantification. <i>Biomedical Chromatography</i> , 2011, 25, 1010-1017.	1.7	18
46	Inhibitors of ubiquitin E3 ligase as potential new antimalarial drug leads. <i>BMC Pharmacology & Toxicology</i> , 2017, 18, 40.	2.4	18
47	New ent-Clerodane and Abietane Diterpenoids from the Roots of Kenyan <i>Croton megalocarpoides</i> Friis & M. S. G. Gilbert. <i>Planta Medica</i> , 2016, 82, 1079-1086.	1.3	17
48	Modulation of Cytochrome P450, P-glycoprotein and Pregnane X Receptor by Selected Antimalarial Herbs—Implication for Herb-Drug Interaction. <i>Molecules</i> , 2017, 22, 2049.	3.8	17
49	Scalable Preparation and Differential Pharmacologic and Toxicologic Profiles of Primaquine Enantiomers. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4737-4744.	3.2	16
50	Phytochemical, Antimicrobial and Antiplasmodial Investigations of. <i>Natural Product Communications</i> , 2013, 8, 761-764.	0.5	15
51	Characterization of the Major Metabolite of Sampangine in Rats. <i>Journal of Natural Products</i> , 2000, 63, 685-687.	3.0	13
52	Modulation of CYPs, P-gp, and PXR by <i>Eschscholzia californica</i> (California Poppy) and Its Alkaloids. <i>Planta Medica</i> , 2016, 82, 551-558.	1.3	12
53	Mechanism for neurotropic action of vorinostat, a pan histone deacetylase inhibitor. <i>Molecular and Cellular Neurosciences</i> , 2016, 77, 11-20.	2.2	11
54	Phytochemical, Antimicrobial and Antiplasmodial Investigations of <i>Terminalia brownii</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	10

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55	NPC1161B, an 8-Aminoquinoline Analog, Is Metabolized in the Mosquito and Inhibits Plasmodium falciparum Oocyst Maturation. <i>Frontiers in Pharmacology</i> , 2019, 10, 1265.	3.5	10
56	First in class (S,E)-11-[2-(arylmethylene)hydrazono]-PBD analogs as selective CB2 modulators targeting neurodegenerative disorders. <i>Medicinal Chemistry Research</i> , 2021, 30, 98-108.	2.4	10
57	Studies on Pharmacokinetic Drug Interaction Potential of Vinpocetine. <i>Medicines (Basel, Switzerland)</i> , 2015, 2, 93-105.	1.4	9
58	Bioactive (+)-Manzamine A and (+)-8-Hydroxymanzamine A Tertiary Bases and Salts from <i>Acanthostrongylophora Ingens</i> and Their Preparations. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.5	8
59	Single-Dose Primaquine in a Preclinical Model of Glucose-6-Phosphate Dehydrogenase Deficiency: Implications for Use in Malaria Transmission-Blocking Programs. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5906-5913.	3.2	8
60	Gene expression profiling and pathway analysis data in MCF-7 and MDA-MB-231 human breast cancer cell lines treated with dioscin. <i>Data in Brief</i> , 2016, 8, 272-279.	1.0	8
61	Antiparasitic and Antimicrobial Isoflavanquinones from <i>Abrus schimperi</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	7
62	Synthesis of [¹³ C ₆]primaquine. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 341-343.	1.0	7
63	Methemoglobin Generation by 8-Aminoquinolines: Effect of Substitution at 5-Position of Primaquine. <i>Chemical Research in Toxicology</i> , 2013, 26, 1801-1809.	3.3	7
64	Interactions of Desmethoxyyangonin, a Secondary Metabolite from <i>Renealmia alpina</i> , with Human Monoamine Oxidase-A and Oxidase-B. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017, 2017, 1-10.	1.2	7
65	Quantitative determination of primaquine-5,6-ortho-quinone and carboxyprimaquine-5,6-ortho-quinone in human erythrocytes by UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122510.	2.3	7
66	Computational Study on the Effect of Exocyclic Substituents on the Ionization Potential of Primaquine: Insights into the Design of Primaquine-Based Antimalarial Drugs with Less Methemoglobin Generation. <i>Chemical Research in Toxicology</i> , 2015, 28, 169-174.	3.3	6
67	In search for potential antidiabetic compounds from natural sources: docking, synthesis and biological screening of small molecules from <i>Lycium</i> spp. (Goji). <i>Heliyon</i> , 2020, 6, e02782.	3.2	6
68	Safety and Molecular-Toxicological Implications of Cannabidiol-Rich Cannabis Extract and Methylsulfonylmethane Co-Administration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7808.	4.1	6
69	In vitro and in vivo interactions of furosemide and sucralfate. <i>Pharmaceutical Research</i> , 1987, 04, 171-172.	3.5	4
70	Diversity-oriented natural product platform identifies plant constituents targeting Plasmodium falciparum. <i>Malaria Journal</i> , 2016, 15, 270.	2.3	4
71	Enantioselective Interactions of Anti-Infective 8-Aminoquinoline Therapeutics with Human Monoamine Oxidases A and B. <i>Pharmaceuticals</i> , 2021, 14, 398.	3.8	4
72	Comparative pharmacokinetics and tissue distribution of primaquine enantiomers in mice. <i>Malaria Journal</i> , 2022, 21, 33.	2.3	4

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73	Methemoglobinemia Hemotoxicity of Some Antimalarial 8-Aminoquinoline Analogues and Their Hydroxylated Derivatives: Density Functional Theory Computation of Ionization Potentials. <i>Chemical Research in Toxicology</i> , 2016, 29, 1132-1141.	3.3	3
74	Identification of an Orally Bioavailable, Brain-Penetrant Compound with Selectivity for the Cannabinoid Type 2 Receptor. <i>Molecules</i> , 2022, 27, 509.	3.8	3
75	Comparative single dose pharmacokinetics and metabolism of racemic primaquine and its enantiomers in human volunteers. <i>Drug Metabolism and Pharmacokinetics</i> , 2022, 45, 100463.	2.2	3
76	Excretion of metabolites in bile following the administration of primaquine to rats. <i>Pharmaceutical Research</i> , 1985, 02, 231-233.	3.5	2
77	Developing and Characterizing a Mouse Model of Hepatotoxicity Using Oral Pyrrolizidine Alkaloid (Monocrotaline) Administration, with Potentiation of the Liver Injury by Co-administration of LPS. <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	2
78	Mechanisms of 8-aminquinoline induced haemolytic toxicity in a G6PDd humanized mouse model. <i>Journal of Cellular and Molecular Medicine</i> , 0, , .	3.6	2
79	Botanical Supplements and Hepatotoxicity. , 0, , 589-606.		1
80	Antiparasitic and Anticancer Carvotacetone Derivatives of <i>Sphaeranthus bullatus</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	1
81	Anti-Vancomycin-resistant <i>Enterococcus faecium</i> and <i>E. faecalis</i> Activities of (-)-Gossypol and Derivatives from <i>Thespesia garckeana</i> . <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	1