

Gregory S Walker

List of Publications by Year in descending order

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papers

909
citations

430874

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docs citations

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times ranked

1444
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and Computational Methods for the Characterization of Covalent Reactive Groups for the Prospective Design of Irreversible Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 10072-10079.	6.4	249
2	Identifying a Selective Substrate and Inhibitor Pair for the Evaluation of CYP2J2 Activity. <i>Drug Metabolism and Disposition</i> , 2012, 40, 943-951.	3.3	78
3	Determination of Degradation Pathways and Kinetics of Acyl Glucuronides by NMR Spectroscopy. <i>Chemical Research in Toxicology</i> , 2007, 20, 876-886.	3.3	63
4	Biosynthesis of Drug Metabolites and Quantitation Using NMR Spectroscopy for Use in Pharmacologic and Drug Metabolism Studies. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1627-1639.	3.3	55
5	Validation of Isolated Metabolites from Drug Metabolism Studies as Analytical Standards by Quantitative NMR. <i>Drug Metabolism and Disposition</i> , 2011, 39, 433-440.	3.3	50
6	Leveraging of Rifampicin-Dosed Cynomolgus Monkeys to Identify Bile Acid 3-O-Sulfate Conjugates as Potential Novel Biomarkers for Organic Anion-Transporting Polypeptides. <i>Drug Metabolism and Disposition</i> , 2017, 45, 721-733.	3.3	38
7	In Vitro Kinetic Characterization of Axitinib Metabolism. <i>Drug Metabolism and Disposition</i> , 2015, 44, 102-114.	3.3	33
8	Late-Stage Microsomal Oxidation Reduces Drug-Drug Interaction and Identifies Phosphodiesterase 2A Inhibitor PF-06815189. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 68-72.	2.8	31
9	Enzalutamide and Apalutamide: In Vitro Chemical Reactivity Studies and Activity in a Mouse Drug Allergy Model. <i>Chemical Research in Toxicology</i> , 2020, 33, 211-222.	3.3	31
10	Mechanism-Based Inactivation of Cytochrome P450 2D6 by 1-[(2-Ethyl-4-methyl-1H-imidazol-5-yl)methyl]-4-[4-(trifluoromethyl)-2-pyridinyl]piperazine: Kinetic Characterization and Evidence for Apoprotein Adduction. <i>Chemical Research in Toxicology</i> , 2004, 17, 174-184.	3.3	29
11	Comparison of LC-NMR and conventional NMR for structure elucidation in drug metabolism studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2008, 4, 1295-1305.	3.3	28
12	An Ex Vivo Fermentation Screening Platform to Study Drug Metabolism by Human Gut Microbiota. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1596-1607.	3.3	28
13	Lead Diversification at the Nanomole Scale Using Liver Microsomes and Quantitative Nuclear Magnetic Resonance Spectroscopy: Application to Phosphodiesterase 2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3626-3640.	6.4	25
14	Effective Application of Metabolite Profiling in Drug Design and Discovery. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6387-6406.	6.4	25
15	Biosynthesis of Fluorinated Analogs of Drugs Using Human Cytochrome P450 Enzymes Followed by Deoxyfluorination and Quantitative Nuclear Magnetic Resonance Spectroscopy to Improve Metabolic Stability. <i>Drug Metabolism and Disposition</i> , 2016, 44, 634-646.	3.3	23
16	Oxidative Metabolism of a Quinoxaline Derivative by Xanthine Oxidase in Rodent Plasma. <i>Chemical Research in Toxicology</i> , 2011, 24, 2207-2216.	3.3	22
17	Late-Stage Lead Diversification Coupled with Quantitative Nuclear Magnetic Resonance Spectroscopy to Identify New Structure-Activity Relationship Vectors at Nanomole-Scale Synthesis: Application to Loratadine, a Human Histamine H ₁ Receptor Inverse Agonist. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7268-7292.	6.4	21
18	Acyl Glucuronide Metabolites of 6-Chloro-5-[4-(1-hydroxycyclobutyl)phenyl]-1 <i>H</i> -indole-3-carboxylic Acid (PF-06409577) and Related Indole-3-carboxylic Acid Derivatives are Direct Activators of Adenosine Monophosphate-Activated Protein Kinase (AMPK). <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7273-7288.	6.4	18

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19	Metabolism and Excretion of Nirmatrelvir in Humans Using Quantitative Fluorine Nuclear Magnetic Resonance Spectroscopy: A Novel Approach for Accelerating Drug Development. <i>Clinical Pharmacology and Therapeutics</i> , 2022, 112, 1201-1206.	4.7	15
20	Harnessing biosynthesis and quantitative NMR for late stage functionalization of lead molecules: Application to the M1 positive allosteric modulator (PAM) program. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2068-2073.	2.2	11
21	Insights into the Novel Hydrolytic Mechanism of a Diethyl 2-Phenyl-2-(2-arylacetoxy)methyl Malonate Ester-Based Microsomal Triglyceride Transfer Protein (MTP) Inhibitor. <i>Chemical Research in Toxicology</i> , 2012, 25, 2138-2152.	3.3	4
22	Metabolism of a Dopamine Receptor Partial Agonist in Rats, Including an Unusual N-Dearylation Reaction. <i>Drug Metabolism and Pharmacokinetics</i> , 2011, 26, 266-279.	2.2	1