# Gregory S Walker

List of Publications by Year
in descending order



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|---|---|---|---|
| 22 papers | 909 citations | 430874 18 h-index | 642732 23 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 1444 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Metabolism and Excretion of Nirmatrelvir in Humans Using Quantitative Fluorine Nuclear Magnetic Resonance Spectroscopy: A Novel Approach for Accelerating Drug Development. Clinical Pharmacology and Therapeutics, 2022, 112, 1201-1206. | 4.7 | 15 |
| 2 | Enzalutamide and Apalutamide: In Vitro Chemical Reactivity Studies and Activity in a Mouse Drug Allergy Model. Chemical Research in Toxicology, 2020, 33, 211-222. | 3.3 | 31 |
| 3 | Late-Stage Lead Diversification Coupled with Quantitative Nuclear Magnetic Resonance Spectroscopy to Identify New Structureâ€“Activity Relationship Vectors at Nanomole-Scale Synthesis: Application to Loratadine, a Human Histamine H<sub>1</sub> Receptor Inverse Agonist. Journal of Medicinal Chemistry, 2020, 63, 7268-7292. | 6.4 | 21 |
| 4 | Effective Application of Metabolite Profiling in Drug Design and Discovery. Journal of Medicinal Chemistry, 2020, 63, 6387-6406. | 6.4 | 25 |
| 5 | Late-Stage Microsomal Oxidation Reduces Drugâ€“Drug Interaction and Identifies Phosphodiesterase 2A Inhibitor PF-06815189. ACS Medicinal Chemistry Letters, 2018, 9, 68-72. | 2.8 | 31 |
| 6 | Lead Diversification at the Nanomole Scale Using Liver Microsomes and Quantitative Nuclear Magnetic Resonance Spectroscopy: Application to Phosphodiesterase 2 Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 3626-3640. | 6.4 | 25 |
| 7 | An Ex Vivo Fermentation Screening Platform to Study Drug Metabolism by Human Gut Microbiota. Drug Metabolism and Disposition, 2018, 46, 1596-1607. | 3.3 | 28 |
| 8 | Harnessing biosynthesis and quantitative NMR for late stage functionalization of lead molecules: Application to the M1 positive allosteric modulator (PAM) program. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2068-2073. | 2.2 | 11 |
| 9 | Acyl Glucuronide Metabolites of 6-Chloro-5-[4-(1-hydroxycyclobutyl)phenyl]-1H-indole-3-carboxylic Acid (PF-06409577) and Related Indole-3-carboxylic Acid Derivatives are Direct Activators of Adenosine Monophosphate-Activated Protein Kinase (AMPK). Journal of Medicinal Chemistry, 2018, 61, 7273-7288. | 6.4 | 18 |
| 10 | Leveraging of Rifampicin-Dosed Cynomolgus Monkeys to Identify Bile Acid 3-O-Sulfate Conjugates as Potential Novel Biomarkers for Organic Anion-Transporting Polypeptides. Drug Metabolism and Disposition, 2017, 45, 721-733. | 3.3 | 38 |
| 11 | Biosynthesis of Fluorinated Analogs of Drugs Using Human Cytochrome P450 Enzymes Followed by Deoxyfluorination and Quantitative Nuclear Magnetic Resonance Spectroscopy to Improve Metabolic Stability. Drug Metabolism and Disposition, 2016, 44, 634-646. | 3.3 | 23 |
| 12 | In Vitro Kinetic Characterization of Axitinib Metabolism. Drug Metabolism and Disposition, 2015, 44, 102-114. | 3.3 | 33 |
| 13 | Chemical and Computational Methods for the Characterization of Covalent Reactive Groups for the Prospective Design of Irreversible Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 10072-10079. | 6.4 | 249 |
| 14 | Biosynthesis of Drug Metabolites and Quantitation Using NMR Spectroscopy for Use in Pharmacologic and Drug Metabolism Studies. Drug Metabolism and Disposition, 2014, 42, 1627-1639. | 3.3 | 55 |
| 15 | Insights into the Novel Hydrolytic Mechanism of a Diethyl 2-Phenyl-2-(2-arylacetoxy)methyl Malonate Ester-Based Microsomal Triglyceride Transfer Protein (MTP) Inhibitor. Chemical Research in Toxicology, 2012, 25, 2138-2152. | 3.3 | 4 |
| 16 | Identifying a Selective Substrate and Inhibitor Pair for the Evaluation of CYP2J2 Activity. Drug Metabolism and Disposition, 2012, 40, 943-951. | 3.3 | 78 |
| 17 | Metabolism of a Dopamine Receptor Partial Agonist in Rats, Including an Unusual N-Dearylation Reaction. Drug Metabolism and Pharmacokinetics, 2011, 26, 266-279. | 2.2 | 1 |
| 18 | Oxidative Metabolism of a Quinoxaline Derivative by Xanthine Oxidase in Rodent Plasma. Chemical Research in Toxicology, 2011, 24, 2207-2216. | 3.3 | 22 |

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|---|---|---|---|
| 19 | Validation of Isolated Metabolites from Drug Metabolism Studies as Analytical Standards by Quantitative NMR. Drug Metabolism and Disposition, 2011, 39, 433-440. | 3.3 | 50 |
| 20 | Comparison of LC-NMR and conventional NMR for structure elucidation in drug metabolism studies. Expert Opinion on Drug Metabolism and Toxicology, 2008, 4, 1295-1305. | 3.3 | 28 |
| 21 | Determination of Degradation Pathways and Kinetics of Acyl Glucuronides by NMR Spectroscopy. Chemical Research in Toxicology, 2007, 20, 876-886. | 3.3 | 63 |
| 22 | Mechanism-Based Inactivation of Cytochrome P450 2D6 by 1-[(2-Ethyl-4-methyl-1H-imidazol-5-yl)methyl]-4-[4-(trifluoromethyl)-2-pyridinyl]piperazine:â€‰ Kinetic Characterization and Evidence for Apoprotein Adduction. Chemical Research in Toxicology, 2004, 17, 174-184. | 3.3 | 29 |