

# Upendra A Argikar

## List of Publications by Year in descending order

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36  
papers

784  
citations

566801

15  
h-index

525886

27  
g-index

37  
all docs

37  
docs citations

37  
times ranked

975  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Biotransformation novel advances â€“ 2021 year in review. Drug Metabolism Reviews, 2022, 54, 207-245.   | 1.5 | 3         |
| 2  | Understanding metabolism related differences in ocular efficacy of MGV354. Xenobiotica, 2021, 51, 5-14.   | 0.5 | 2         |
| 3  | Case Study 2: Practical Analytical Considerations for Conducting In Vitro Enzyme Kinetic Studies. Methods in Molecular Biology, 2021, 2342, 643-652.  | 0.4 | 0         |
| 4  | Enzyme Kinetics of Uridine Diphosphate Glucuronosyltransferases (UGTs). Methods in Molecular Biology, 2021, 2342, 301-338.  | 0.4 | 8         |
| 5  | Novel advances in biotransformation and bioactivation research â€“ 2020 year in review. Drug Metabolism Reviews, 2021, 53, 384-433.   | 1.5 | 4         |
| 6  | Comparative Proteomics Analysis of the Postmitochondrial Supernatant Fraction of Human Lens-Free Whole Eye and Liver. Drug Metabolism and Disposition, 2021, 49, 592-600.   | 1.7 | 5         |
| 7  | Discovery of 4-((2 <i>S</i> ,4 <i>S</i> )-4-Ethoxy-1-((5-methoxy-7-methyl-1 <i>H</i> -indol-4-yl)methyl)piperidin-2-yl)benzoic Acid (LNPO23), a Factor B Inhibitor Specifically Designed To Be Applicable to Treating a Diverse Array of Complement Mediated Diseases. Journal of Medicinal Chemistry, 2020, 63, 5697-5722. | 2.9 | 25        |
| 8  | Design, Synthesis, and Preclinical Characterization of Selective Factor D Inhibitors Targeting the Alternative Complement Pathway. Journal of Medicinal Chemistry, 2019, 62, 4656-4668.   | 2.9 | 16        |
| 9  | Small-molecule factor B inhibitor for the treatment of complement-mediated diseases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7926-7931.   | 3.3 | 116       |
| 10 | UDP-Glucuronosyltransferases. , 2019, , 109-159.  |     | 5         |
| 11 | New Perspectives on Acyl Glucuronide Risk Assessment in Drug Discovery: Investigation of In vitro Stability, In situ Reactivity, and Bioactivation. Drug Metabolism Letters, 2018, 12, 84-92.   | 0.5 | 12        |
| 12 | The mesentery: an ADME perspective on a â€“newâ€™ organ. Drug Metabolism Reviews, 2018, 50, 398-405.  | 1.5 | 16        |
| 13 | Models and Approaches Describing the Metabolism, Transport, and Toxicity of Drugs Administered by the Ocular Route. Drug Metabolism and Disposition, 2018, 46, 1670-1683.   | 1.7 | 16        |
| 14 | Investigation of Ocular Bioactivation Potential and the Role of Cytochrome P450 2D Enzymes in Rat. Drug Metabolism Letters, 2018, 11, 102-110.  | 0.5 | 2         |
| 15 | InÂvitro ocular metabolism and bioactivation of ketoconazole in rat, rabbit and human. Drug Metabolism and Pharmacokinetics, 2017, 32, 121-126.   | 1.1 | 13        |
| 16 | Implications for Metabolite Quantification by Mass Spectrometry in the Absence of Authentic Standards. Drug Metabolism and Disposition, 2017, 45, 492-496.  | 1.7 | 23        |
| 17 | Ocular non-P450 oxidative, reductive, hydrolytic, and conjugative drug metabolizing enzymes. Drug Metabolism Reviews, 2017, 49, 372-394.  | 1.5 | 20        |
| 18 | Discovery of Highly Potent and Selective Small-Molecule Reversible Factor D Inhibitors Demonstrating Alternative Complement Pathway Inhibition <i>in Vivo</i> . Journal of Medicinal Chemistry, 2017, 60, 5717-5735.  | 2.9 | 27        |

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|----|---|-----|-----------|
| 19 | Do We Need to Study Metabolism and Distribution in the Eye: Why, When, and Are We There Yet?. Journal of Pharmaceutical Sciences, 2017, 106, 2276-2281.   | 1.6 | 20        |
| 20 | Optimization of Allosteric With-No-Lysine (WNK) Kinase Inhibitors and Efficacy in Rodent Hypertension Models. Journal of Medicinal Chemistry, 2017, 60, 7099-7107.  | 2.9 | 27        |
| 21 | Ocular Metabolism of Levobunolol: Historic and Emerging Metabolic Pathways. Drug Metabolism and Disposition, 2016, 44, 1304-1312.   | 1.7 | 13        |
| 22 | Challenges and Opportunities with Non-CYP Enzymes Aldehyde Oxidase, Carboxylesterase, and UDP-Glucuronosyltransferase: Focus on Reaction Phenotyping and Prediction of Human Clearance. AAPS Journal, 2016, 18, 1391-1405.          | 2.2 | 79        |
| 23 | Compound Property Optimization in Drug Discovery Using Quantitative Surface Sampling Micro Liquid Chromatography with Tandem Mass Spectrometry. Analytical Chemistry, 2016, 88, 11813-11820.  | 3.2 | 11        |
| 24 | An in vitro approach to investigate ocular metabolism of a topical, selective $\beta_1$ -adrenergic blocking agent, betaxolol. Xenobiotica, 2015, 45, 396-405.  | 0.5 | 10        |
| 25 | Identification of saturated and unsaturated fatty acids released during microsomal incubations. Xenobiotica, 2014, 44, 687-695.   | 0.5 | 9         |
| 26 | Case Study 2. Practical Analytical Considerations for Conducting In Vitro Enzyme Kinetic Studies. Methods in Molecular Biology, 2014, 1113, 431-439.  | 0.4 | 2         |
| 27 | Metabolism of Bromopride in Mouse, Rat, Rabbit, Dog, Monkey, and Human Hepatocytes. Drug Metabolism and Pharmacokinetics, 2013, 28, 453-461.  | 1.1 | 11        |
| 28 | Unusual Glucuronides. Drug Metabolism and Disposition, 2012, 40, 1239-1251.   | 1.7 | 33        |
| 29 | An experimental approach to enhance precursor ion fragmentation for metabolite identification studies: application of dual collision cells in an orbital trap. Rapid Communications in Mass Spectrometry, 2011, 25, 1356-1362.      | 0.7 | 28        |
| 30 | Evaluation of Pharmaceutical Excipients as Cosolvents in 4-Methyl Umbelliferone Glucuronidation in Human Liver Microsomes: Applications for Compounds with Low Solubility. Drug Metabolism and Pharmacokinetics, 2011, 26, 102-106. | 1.1 | 10        |
| 31 | Identification of a Novel N-Carbamoyl Glucuronide: In Vitro, In Vivo, and Mechanistic Studies. Drug Metabolism and Disposition, 2010, 38, 361-367.  | 1.7 | 28        |
| 32 | Identification of Novel Metoclopramide Metabolites in Humans: In Vitro and In Vivo Studies. Drug Metabolism and Disposition, 2010, 38, 1295-1307.   | 1.7 | 24        |
| 33 | Effect of Aging on Glucuronidation of Valproic Acid in Human Liver Microsomes and the Role of UDP-Glucuronosyltransferase UGT1A4, UGT1A8, and UGT1A10. Drug Metabolism and Disposition, 2009, 37, 229-236.                          | 1.7 | 114       |
| 34 | Update on tools for evaluation of uridine diphosphoglucuronosyltransferase polymorphisms. Expert Opinion on Drug Metabolism and Toxicology, 2008, 4, 879-894.   | 1.5 | 22        |
| 35 | Paradoxical urinary phenytoin metabolite (S)/(R) ratios in CYP2C19*1/*2 patients. Epilepsy Research, 2006, 71, 54-63.   | 0.8 | 23        |
| 36 | Conjugative Metabolism of Drugs. , 0, , 37-88.  |     | 7         |