Michael D Aleo

List of Publications by Year
in descending order

27 papers	1,633 citations	567281 15 h-index	526287 27 g-index
29 all docs	29 docs citations	29 times ranked	2033 citing authors

#	Article	IF	Citations
1	Structural Alert/Reactive Metabolite Concept as Applied in Medicinal Chemistry to Mitigate the Risk of Idiosyncratic Drug Toxicity: A Perspective Based on the Critical Examination of Trends in the Top 200 Drugs Marketed in the United States. Chemical Research in Toxicology, 2011, 24, 1345-1410.	3.3	569
2	Human drug-induced liver injury severity is highly associated with dual inhibition of liver mitochondrial function and bile salt export pump. Hepatology, 2014, 60, 1015-1022.	7.3	188
3	Use of Micropatterned Cocultures to Detect Compounds That Cause Drug-Induced Liver Injury in Humans. Toxicological Sciences, 2013, 132, 107-117.	3.1	180
4	Setting Clinical Exposure Levels of Concern for Drug-Induced Liver Injury (DILI) Using Mechanisticin vitroAssays. Toxicological Sciences, 2015, 147, 500-514.	3.1	104
5	Comparisons betweenin vitrowhole cell imaging andin vivozebrafish-based approaches for identifying potential human hepatotoxicants earlier in pharmaceutical development. Drug Metabolism Reviews, 2012, 44, 127-140.	3.6	93
6	Using an in vitro cytotoxicity assay to aid in compound selection for in vivo safety studies. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5308-5312.	2.2	61
7	Evaluation of in Vitro Mitochondrial Toxicity Assays and Physicochemical Properties for Prediction of Organ Toxicity Using 228 Pharmaceutical Drugs. Chemical Research in Toxicology, 2019, 32, 156-167.	3.3	61
8	Predicting safety toleration of pharmaceutical chemical leads: Cytotoxicity correlations to exploratory toxicity studiesâ˜†. Toxicology Letters, 2010, 197, 175-182.	0.8	51
9	Moving beyond Binary Predictions of Human Drug-Induced Liver Injury (DILI) toward Contrasting Relative Risk Potential. Chemical Research in Toxicology, 2020, 33, 223-238.	3.3	49
10	Toxicity assessments of nonsteroidal anti-inflammatory drugs in isolated mitochondria, rat hepatocytes, and zebrafish show good concordance across chemical classes. Toxicology and Applied Pharmacology, 2013, 272, 272-280.	2.8	44
11	Improving the Odds of Success in Drug Discovery: Choosing the Best Compounds for in Vivo Toxicology Studies. Journal of Medicinal Chemistry, 2013, 56, 9771-9779.	6.4	41
12	Evaluating the Role of Multidrug Resistance Protein 3 (MDR3) Inhibition in Predicting Drug-Induced Liver Injury Using 125 Pharmaceuticals. Chemical Research in Toxicology, 2017, 30, 1219-1229.	3.3	32
13	A current practice for predicting ocular toxicity of systemically delivered drugs. Cutaneous and Ocular Toxicology, 2009, 28, 1-18.	1.3	22
14	Hepatotoxicity reports in the FDA adverse event reporting system database: A comparison of drugs that cause injury via mitochondrial or other mechanisms. Acta Pharmaceutica Sinica B, 2021, 11, 3857-3868.	12.0	19
15	Principles of precision medicine and its application in toxicology. Journal of Toxicological Sciences, 2018, 43, 565-577.	1.5	15
16	An in vitro coculture system of human peripheral blood mononuclear cells with hepatocellular carcinoma-derived cells for predicting drug-induced liver injury. Archives of Toxicology, 2021, 95, 149-168.	4.2	14
17	Mechanistic Analysis ofS-(1,2-Dichlorovinyl)-l-cysteine-Induced Cataractogenesisin Vitro. Toxicology and Applied Pharmacology, 1997, 146, 144-155.	2.8	12
18	Quantitative systems toxicology (QST) reproduces species differences in PFâ€04895162 liver safety due to combined mitochondrial and bile acid toxicity. Pharmacology Research and Perspectives, 2019, 7, e00523.	2.4	12

#	Article	IF	Citations
19	1,2-Naphthoquinone Stimulates Lipid Peroxidation and Cholesterol Domain Formation in Model Membranes. , 2013, 54, 7189.		11
20	Inhibition of Hepatobiliary Transport Activity by the Antibacterial Agent Fusidic Acid: Insights into Factors Contributing to Conjugated Hyperbilirubinemia/Cholestasis. Chemical Research in Toxicology, 2016, 29, 1778-1788.	3.3	10
21	A Novel Lipidomics-Based Approach to Evaluating the Risk of Clinical Hepatotoxicity Potential of Drugs in 3D Human Microtissues. Chemical Research in Toxicology, 2020, 33, 258-270.	3.3	10
22	Liver safety evaluation of endothelin receptor antagonists using HepatoPac Â® : A single model impact assessment on hepatocellular health, function and bile acid disposition. Journal of Applied Toxicology, 2019, 39, 1192-1207.	2.8	8
23	An underlying role for hepatobiliary dysfunction in cyclosporine A nephrotoxicity. Toxicology and Applied Pharmacology, 2008, 230, 126-134.	2.8	7
24	Phase I study of PFâ€04895162, a Kv7 channel opener, reveals unexpected hepatotoxicity in healthy subjects, but not rats or monkeys: clinical evidence of disrupted bile acid homeostasis. Pharmacology Research and Perspectives, 2019, 7, e00467.	2.4	7
25	Lens cholesterol biosynthesis inhibition: A common mechanism of cataract formation in laboratory animals by pharmaceutical products. Journal of Applied Toxicology, 2019, 39, 1348-1361.	2.8	5
26	Most Influential Physicochemical and In Vitro Assay Descriptors for Hepatotoxicity and Nephrotoxicity Prediction. Chemical Research in Toxicology, 2020, 33, 1780-1790.	3.3	3
27	Interpretation, Integration, and Implementation of In Vitro Assay Data: The Predictive Toxicity Challenge. Methods in Pharmacology and Toxicology, 2018, , 345-364.	0.2	2