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List of Publications by Year in descending order

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papers

5,513
citations

145106

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90395

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all docs

74
docs citations

74
times ranked

7616
citing authors

#	ARTICLE	IF	CITATIONS
1	Significance of the Vitamin D Receptor on Crosstalk with Nuclear Receptors and Regulation of Enzymes and Transporters. <i>AAPS Journal</i> , 2022, 24, .	2.2	10
2	Ex vivo toxicological evaluation of experimental anticancer gold(i) complexes with lansoprazole-type ligands. <i>Toxicology Research</i> , 2019, 8, 885-895.	0.9	10
3	Differentiation of human-induced pluripotent stem cell under flow conditions to mature hepatocytes for liver tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1273-1284.	1.3	26
4	Development of a mechanistic biokinetic model for hepatic bile acid handling to predict possible cholestatic effects of drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 175-184.	1.9	12
5	Challenges on the road to a multicellular bioartificial liver. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e227-e236.	1.3	12
6	Alterations in gene expression in vitamin D deficiency: Downregulation of liver Cyp7a1 and renal Oat3 in mice. <i>Biopharmaceutics and Drug Disposition</i> , 2018, 39, 99-115.	1.1	11
7	Bioconjugation of Supramolecular Metallacages to Integrin Ligands for Targeted Delivery of Cisplatin. <i>Bioconjugate Chemistry</i> , 2018, 29, 3856-3865.	1.8	41
8	Human and rat precision-cut intestinal slices as ex vivo models to study bile acid uptake by the apical sodium-dependent bile acid transporter. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 65-73.	1.9	7
9	Rat precision-cut liver slices predict drug-induced cholestatic injury. <i>Archives of Toxicology</i> , 2017, 91, 3403-3413.	1.9	14
10	The consequence of regional gradients of P-gp and CYP3A4 for drug-drug interactions by P-gp inhibitors and the P-gp/CYP3A4 interplay in the human intestine ex vivo. <i>Toxicology in Vitro</i> , 2017, 40, 26-33.	1.1	22
11	On the toxicity and transport mechanisms of cisplatin in kidney tissues in comparison to a gold-based cytotoxic agent. <i>Metallomics</i> , 2017, 9, 1786-1795.	1.0	20
12	P-gp activity and inhibition in the different regions of human intestine <i>ex vivo</i> . <i>Biopharmaceutics and Drug Disposition</i> , 2017, 38, 127-138.	1.1	18
13	Judging the value of "liver-on-a-chip"™ devices for prediction of toxicity. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2017, 13, 125-128.	1.5	27
14	Validation of precision-cut liver slices to study drug-induced cholestasis: a transcriptomics approach. <i>Archives of Toxicology</i> , 2017, 91, 1401-1412.	1.9	32
15	Maintenance of drug metabolism and transport functions in human precision-cut liver slices during prolonged incubation for 5 days. <i>Archives of Toxicology</i> , 2017, 91, 2079-2092.	1.9	33
16	Anticancer Gold Heterocyclic Carbene Complexes: A Comparative <i>in vitro</i> and <i>ex vivo</i> Study. <i>ChemMedChem</i> , 2017, 12, 1429-1435.	1.6	52
17	Human precision-cut liver slices as a model to test antifibrotic drugs in the early onset of liver fibrosis. <i>Toxicology in Vitro</i> , 2016, 35, 77-85.	1.1	44
18	Classification of Cholestatic and Necrotic Hepatotoxicants Using Transcriptomics on Human Precision-Cut Liver Slices. <i>Chemical Research in Toxicology</i> , 2016, 29, 342-351.	1.7	21

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19	The Consequence of Drug-Drug Interactions Influencing the Interplay between P-Glycoprotein and Cytochrome P450 3a: An Ex Vivo Study with Rat Precision-Cut Intestinal Slices. <i>Drug Metabolism and Disposition</i> , 2016, 44, 683-691.	1.7	16
20	Translational Modeling in Schizophrenia: Predicting Human Dopamine D2 Receptor Occupancy. <i>Pharmaceutical Research</i> , 2016, 33, 1003-1017.	1.7	14
21	Precision-cut intestinal slices: alternative model for drug transport, metabolism, and toxicology research. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 175-190.	1.5	56
22	Rat precision-cut intestinal slices to study P-gp activity and the potency of its inhibitors ex vivo. <i>Toxicology in Vitro</i> , 2015, 29, 1070-1078.	1.1	16
23	Viability, function and morphological integrity of precision-cut liver slices during prolonged incubation: Effects of culture medium. <i>Toxicology in Vitro</i> , 2015, 30, 288-299.	1.1	21
24	Improved Synthesis of <i>N</i> -Benzylaminoferrocene-Based Prodrugs and Evaluation of Their Toxicity and Antileukemic Activity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2015-2024.	2.9	73
25	Acute toxicity of CCl ₄ but not of paracetamol induces a transcriptomic signature of fibrosis in precision-cut liver slices. <i>Toxicology in Vitro</i> , 2015, 29, 1012-1020.	1.1	21
26	Consequences of Mrp2 deficiency for diclofenac toxicity in the rat intestine ex vivo. <i>Toxicology in Vitro</i> , 2015, 29, 168-175.	1.1	11
27	Diclofenac toxicity in human intestine ex vivo is not related to the formation of intestinal metabolites. <i>Archives of Toxicology</i> , 2015, 89, 107-119.	1.9	24
28	The Effect of Antifibrotic Drugs in Rat Precision-Cut Fibrotic Liver Slices. <i>PLoS ONE</i> , 2014, 9, e95462.	1.1	46
29	Precision-cut liver slices as a model for the early onset of liver fibrosis to test antifibrotic drugs. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 328-338.	1.3	65
30	Caffeine-Based Gold(I) <i>N</i> -Heterocyclic Carbenes as Possible Anticancer Agents: Synthesis and Biological Properties. <i>Inorganic Chemistry</i> , 2014, 53, 2296-2303.	1.9	196
31	Proteomic profiling in incubation medium of mouse, rat and human precision-cut liver slices for biomarker detection regarding acute drug-induced liver injury. <i>Journal of Applied Toxicology</i> , 2014, 34, 993-1001.	1.4	9
32	Precision cut intestinal slices are an appropriate ex vivo model to study NSAID-induced intestinal toxicity in rats. <i>Toxicology in Vitro</i> , 2014, 28, 1296-1305.	1.1	31
33	Drug-Induced Endoplasmic Reticulum and Oxidative Stress Responses Independently Sensitize Toward TNF α -Mediated Hepatotoxicity. <i>Toxicological Sciences</i> , 2014, 140, 144-159.	1.4	74
34	Human Precision-Cut Liver Slices as an <i>ex Vivo</i> Model to Study Idiosyncratic Drug-Induced Liver Injury. <i>Chemical Research in Toxicology</i> , 2013, 26, 710-720.	1.7	41
35	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. <i>Archives of Toxicology</i> , 2013, 87, 1315-1530.	1.9	1,089
36	AMAP, the alleged non-toxic isomer of acetaminophen, is toxic in rat and human liver. <i>Archives of Toxicology</i> , 2013, 87, 155-165.	1.9	46

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37	Evaluation of the intestinal toxicity and transport of xenobiotics utilizing precision-cut slices. <i>Xenobiotica</i> , 2013, 43, 73-83.	0.5	18
38	Nanoparticle Formulation of a Poorly Soluble Cannabinoid Receptor 1 Antagonist Improves Absorption by Rat and Human Intestine. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1557-1565.	1.7	10
39	Bronchoconstriction Induces TGF- β 2 Release and Airway Remodelling in Guinea Pig Lung Slices. <i>PLoS ONE</i> , 2013, 8, e65580.	1.1	58
40	Precision-cut intestinal slices as in vitro tool for studies on drug metabolism. <i>Current Drug Metabolism</i> , 2013, 14, 112-9.	0.7	9
41	Mouse Precision-Cut Liver Slices as an ex Vivo Model To Study Idiosyncratic Drug-Induced Liver Injury. <i>Chemical Research in Toxicology</i> , 2012, 25, 1938-1947.	1.7	19
42	Precision-cut Intestinal Slices as In Vitro Tool for Studies on Drug Metabolism. <i>Current Drug Metabolism</i> , 2012, 14, 112-119.	0.7	11
43	On-line HPLC Analysis System for Metabolism and Inhibition Studies in Precision-Cut Liver Slices. <i>Analytical Chemistry</i> , 2011, 83, 84-91.	3.2	38
44	The role of lithocholic acid in the regulation of bile acid detoxication, synthesis, and transport proteins in rat and human intestine and liver slices. <i>Toxicology in Vitro</i> , 2011, 25, 80-90.	1.1	30
45	Hydrogel embedding of precision-cut liver slices in a microfluidic device improves drug metabolic activity. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1404-1412.	1.7	38
46	Microfluidics Enables Small-Scale Tissue-Based Drug Metabolism Studies with Scarce Human Tissue. <i>Journal of the Association for Laboratory Automation</i> , 2011, 16, 468-476.	2.8	27
47	Reduced Ischemia-Reoxygenation Injury in Rat Intestine After Luminal Preservation With a Tailored Solution. <i>Transplantation</i> , 2010, 90, 622-629.	0.5	20
48	Microfluidic biochip for the perfusion of precision-cut rat liver slices for metabolism and toxicology studies. <i>Biotechnology and Bioengineering</i> , 2010, 105, 184-194.	1.7	118
49	Preparation and incubation of precision-cut liver and intestinal slices for application in drug metabolism and toxicity studies. <i>Nature Protocols</i> , 2010, 5, 1540-1551.	5.5	321
50	Regulation of VDR expression in rat and human intestine and liver – Consequences for CYP3A expression. <i>Toxicology in Vitro</i> , 2010, 24, 822-829.	1.1	23
51	A microfluidic approach for in vitro assessment of interorgan interactions in drug metabolism using intestinal and liver slices. <i>Lab on A Chip</i> , 2010, 10, 2778.	3.1	184
52	Expression and regulation of the bile acid transporter, OST α in rat and human intestine and liver. <i>Biopharmaceutics and Drug Disposition</i> , 2009, 30, 241-258.	1.1	34
53	Comparison of effects of VDR versus PXR, FXR and GR ligands on the regulation of CYP3A isozymes in rat and human intestine and liver. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 115-125.	1.9	71
54	Induction of Metabolism and Transport in Human Intestine: Validation of Precision-Cut Slices as a Tool to Study Induction of Drug Metabolism in Human Intestine in Vitro. <i>Drug Metabolism and Disposition</i> , 2008, 36, 604-613.	1.7	80

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55	In Vitro Methods to Study Intestinal Drug Metabolism. <i>Current Drug Metabolism</i> , 2007, 8, 658-675.	0.7	116
56	Precision-cut tissue slices as a tool to predict metabolism of novel drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007, 3, 879-898.	1.5	116
57	Analysis of bile acid-induced regulation of FXR target genes in human liver slices. <i>Liver International</i> , 2007, 27, 137-44.	1.9	45
58	Species differences between mouse, rat, dog, monkey and human CYP-mediated drug metabolism, inhibition and induction. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2006, 2, 875-894.	1.5	1,122
59	Innovative Methods to Study Human Intestinal Drug Metabolism in Vitro: Precision-Cut Slices Compared with Ussing Chamber Preparations. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1893-1902.	1.7	86
60	COMPARISON OF MOUSE AND RAT CYTOCHROME P450-MEDIATED METABOLISM IN LIVER AND INTESTINE. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1047-1054.	1.7	91
61	EMPIRICAL VALIDATION OF A RAT IN VITRO ORGAN SLICE MODEL AS A TOOL FOR IN VIVO CLEARANCE PREDICTION. <i>Drug Metabolism and Disposition</i> , 2006, 34, 591-599.	1.7	43
62	A new technique for preparing precision-cut slices from small intestine and colon for drug biotransformation studies. <i>Journal of Pharmacological and Toxicological Methods</i> , 2005, 51, 65-72.	0.3	46
63	Precision-Cut Liver Slices as a New Model to Study Toxicity-Induced Hepatic Stellate Cell Activation in a Physiologic Milieu. <i>Toxicological Sciences</i> , 2005, 85, 632-638.	1.4	85
64	CHARACTERIZATION OF RAT SMALL INTESTINAL AND COLON PRECISION-CUT SLICES AS AN IN VITRO SYSTEM FOR DRUG METABOLISM AND INDUCTION STUDIES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1613-1620.	1.7	52
65	Rat liver slices as a tool to study LPS-induced inflammatory response in the liver. <i>Journal of Hepatology</i> , 2001, 35, 187-194.	1.8	86
66	Characteristics of the hepatic stellate cell-selective carrier mannose 6-phosphate modified albumin (M6P28-HSA). <i>Liver</i> , 2001, 21, 320-328.	0.1	69
67	The capability of isolated hepatocytes and liver slices of donor livers to predict graft function after liver transplantation. <i>Liver International</i> , 2000, 20, 374-380.	1.9	11
68	Human Liver Slices Express the Same Lidocaine Biotransformation Rate as Isolated Human Hepatocytes. <i>ATLA Alternatives To Laboratory Animals</i> , 1993, 21, 466-469.	0.7	19
69	Influence of albumin on the net sinusoidal efflux of the organic anion dibromosulfophthalein from rat liver. <i>Hepatology</i> , 1992, 15, 302-309.	3.6	12
70	Selective hepatobiliary transport defect for organic anions and neutral steroids in mutant rats with hereditary-conjugated hyperbilirubinemia. <i>Hepatology</i> , 1987, 7, 71-76.	3.6	141