

Peter Olinga

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126
papers

4,852
citations

39
h-index

66
g-index

138
ext. papers

5,588
ext. citations

5.1
avg, IF

5.32
L-index

#	Paper	IF	Citations
126	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, 1315-530	5.8	837
125	Preparation and incubation of precision-cut liver and intestinal slices for application in drug metabolism and toxicity studies. <i>Nature Protocols</i> , 2010 , 5, 1540-51	18.8	250
124	Procalcitonin behaves as a fast responding acute phase protein in vivo and in vitro. <i>Critical Care Medicine</i> , 2000 , 28, 458-61	1.4	220
123	LPS-induced downregulation of MRP2 and BSEP in human liver is due to a posttranscriptional process. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 287, G1008-16	5.1	132
122	Albumin modified with mannose 6-phosphate: A potential carrier for selective delivery of antifibrotic drugs to rat and human hepatic stellate cells. <i>Hepatology</i> , 1999 , 29, 1486-93	11.2	123
121	Precision-cut tissue slices as a tool to predict metabolism of novel drugs. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 879-98	5.5	102
120	Targeting Oxidative Stress for the Treatment of Liver Fibrosis. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2018 , 175, 71-102	2.9	89
119	Comparison of five incubation systems for rat liver slices using functional and viability parameters. <i>Journal of Pharmacological and Toxicological Methods</i> , 1997 , 38, 59-69	1.7	89
118	Novel biotransformation and physiological properties of norursodeoxycholic acid in humans. <i>Hepatology</i> , 2005 , 42, 1391-8	11.2	88
117	Microarray analysis in rat liver slices correctly predicts in vivo hepatotoxicity. <i>Toxicology and Applied Pharmacology</i> , 2008 , 229, 300-9	4.6	82
116	Rat liver slices as a tool to study LPS-induced inflammatory response in the liver. <i>Journal of Hepatology</i> , 2001 , 35, 187-94	13.4	79
115	Precision-cut liver slices: a tool to model the liver ex vivo. <i>Journal of Hepatology</i> , 2013 , 58, 1252-3	13.4	77
114	Targeting dexamethasone to Kupffer cells: effects on liver inflammation and fibrosis in rats. <i>Hepatology</i> , 2001 , 34, 719-28	11.2	76
113	Coordinated induction of drug transporters and phase I and II metabolism in human liver slices. <i>European Journal of Pharmaceutical Sciences</i> , 2008 , 33, 380-9	5.1	75
112	Liver slices in in vitro pharmacotoxicology with special reference to the use of human liver tissue. <i>Toxicology in Vitro</i> , 1997 , 12, 77-100	3.6	73
111	Liver fibrosis in vitro: cell culture models and precision-cut liver slices. <i>Toxicology in Vitro</i> , 2007 , 21, 545-576	5.76	73
110	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, 632-8	4.4	73

109	Drug-metabolizing activity of human and rat liver, lung, kidney and intestine slices. <i>Xenobiotica</i> , 2002 , 32, 349-62	2	69
108	Characteristics of the hepatic stellate cell-selective carrier mannose 6-phosphate modified albumin (M6P(28)-HSA). <i>Liver</i> , 2001 , 21, 320-8		63
107	Organ slice viability extended for pathway characterization: an in vitro model to investigate fibrosis. <i>Toxicological Sciences</i> , 2004 , 82, 534-44	4.4	58
106	Effect of human liver source on the functionality of isolated hepatocytes and liver slices. <i>Drug Metabolism and Disposition</i> , 1998 , 26, 5-11	4	58
105	Prostaglandin E2 inhibits transforming growth factor beta 1-mediated induction of collagen alpha 1(I) in hepatic stellate cells. <i>Journal of Hepatology</i> , 2004 , 41, 251-8	13.4	57
104	Mucus Microbiome of Anastomotic Tissue During Surgery Has Predictive Value for Colorectal Anastomotic Leakage. <i>Annals of Surgery</i> , 2019 , 269, 911-916	7.8	55
103	The applicability of rat and human liver slices to the study of mechanisms of hepatic drug uptake. <i>Journal of Pharmacological and Toxicological Methods</i> , 2001 , 45, 55-63	1.7	54
102	Gene expression analysis of precision-cut human liver slices indicates stable expression of ADME-Tox related genes. <i>Toxicology and Applied Pharmacology</i> , 2011 , 253, 57-69	4.6	53
101	Complement mediated renal inflammation induced by donor brain death: role of renal C5a-C5aR interaction. <i>American Journal of Transplantation</i> , 2013 , 13, 875-882	8.7	52
100	Characterization of transport in isolated human hepatocytes. A study with the bile acid taurocholic acid, the uncharged ouabain and the organic cations vecuronium and rocuronium. <i>Biochemical Pharmacology</i> , 1994 , 47, 2193-200	6	52
99	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, 328-38	4.6	51
98	Dexamethasone coupled to albumin is selectively taken up by rat nonparenchymal liver cells and attenuates LPS-induced activation of hepatic cells. <i>Journal of Hepatology</i> , 2000 , 32, 603-11	13.4	50
97	Organ slices as an in vitro test system for drug metabolism in human liver, lung and kidney. <i>Toxicology in Vitro</i> , 1999 , 13, 737-44	3.6	49
96	Oxygenation during hypothermic rat liver preservation: an in vitro slice study to demonstrate beneficial or toxic oxygenation effects. <i>Liver Transplantation</i> , 2005 , 11, 1403-11	4.5	46
95	MicroRNA-21 and Dicer are dispensable for hepatic stellate cell activation and the development of liver fibrosis. <i>Hepatology</i> , 2018 , 67, 2414-2429	11.2	45
94	Gliotoxin non-selectively induces apoptosis in fibrotic and normal livers. <i>Liver International</i> , 2006 , 26, 232-9	7.9	44
93	Fragments of Citrullinated and MMP-degraded Vimentin and MMP-degraded Type III Collagen Are Novel Serological Biomarkers to Differentiate Crohn's Disease from Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2015 , 9, 863-72	1.5	43
92	Evaluating the antifibrotic potency of galunisertib in a human ex vivo model of liver fibrosis. <i>British Journal of Pharmacology</i> , 2017 , 174, 3107-3117	8.6	43

91	Chronic Kidney Disease and Fibrosis: The Role of Uremic Retention Solutes. <i>Frontiers in Medicine</i> , 2015 , 2, 60	4.9	43
90	Intestinal microbiota and anastomotic leakage of stapled colorectal anastomoses: a pilot study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016 , 30, 2259-65	5.2	43
89	A rapid and simple method for cryopreservation of human liver slices. <i>Xenobiotica</i> , 1998 , 28, 225-34	2	41
88	Liver slices as a model to study fibrogenesis and test the effects of anti-fibrotic drugs on fibrogenic cells in human liver. <i>Toxicology in Vitro</i> , 2008 , 22, 771-8	3.6	40
87	An in vitro method of alcoholic liver injury using precision-cut liver slices from rats. <i>Biochemical Pharmacology</i> , 2008 , 76, 426-36	6	39
86	The effect of antifibrotic drugs in rat precision-cut fibrotic liver slices. <i>PLoS ONE</i> , 2014 , 9, e95462	3.7	36
85	Initial blood washout during organ procurement determines liver injury and function after preservation and reperfusion. <i>American Journal of Transplantation</i> , 2004 , 4, 1836-44	8.7	36
84	Effect of cold and warm ischaemia on drug metabolism in isolated hepatocytes and slices from human and monkey liver. <i>Xenobiotica</i> , 1998 , 28, 349-60	2	35
83	Potential implications of COVID-19 in non-alcoholic fatty liver disease. <i>Liver International</i> , 2020 , 40, 2568-9	7.9	34
82	Targeted Therapies in Liver Fibrosis: Combining the Best Parts of Platelet-Derived Growth Factor BB and Interferon Gamma. <i>Frontiers in Medicine</i> , 2015 , 2, 72	4.9	33
81	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	3.6	32
80	Production methods and stabilization strategies for polymer-based nanoparticles and microparticles for parenteral delivery of peptides and proteins. <i>Expert Opinion on Drug Delivery</i> , 2015 , 12, 1311-31	8	32
79	Human liver slices as an in vitro model to study toxicity-induced hepatic stellate cell activation in a multicellular milieu. <i>Chemico-Biological Interactions</i> , 2006 , 162, 62-69	5	32
78	Misbalance in type III collagen formation/degradation as a novel serological biomarker for penetrating (Montreal B3) Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2017 , 46, 26-39	6.1	31
77	An ex vivo human model system to evaluate specificity of replicating and non-replicating gene therapy agents. <i>Journal of Gene Medicine</i> , 2006 , 8, 35-41	3.5	31
76	Precision-cut fibrotic rat liver slices as a new model to test the effects of anti-fibrotic drugs in vitro. <i>Journal of Hepatology</i> , 2006 , 45, 696-703	13.4	31
75	Evaluation of fibrosis in precision-cut tissue slices. <i>Xenobiotica</i> , 2013 , 43, 98-112	2	30
74	Vanin 1: Its Physiological Function and Role in Diseases. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	29

73	Hepcidin is regulated by promoter-associated histone acetylation and HDAC3. <i>Nature Communications</i> , 2017 , 8, 403	17.4	29
72	Pharmacokinetic analysis and cellular distribution of the anti-HIV compound succinylated human serum albumin (Suc-HSA) in vivo and in the isolated perfused rat liver. <i>Pharmaceutical Research</i> , 1993 , 10, 1611-4	4.5	29
71	Influence of 48 hours of cold storage in University of Wisconsin organ preservation solution on metabolic capacity of rat hepatocytes. <i>Journal of Hepatology</i> , 1997 , 27, 738-43	13.4	27
70	Precision-cut human kidney slices as a model to elucidate the process of renal fibrosis. <i>Translational Research</i> , 2016 , 170, 8-16.e1	11	26
69	Precision-cut kidney slices (PCKS) to study development of renal fibrosis and efficacy of drug targeting ex vivo. <i>DMM Disease Models and Mechanisms</i> , 2015 , 8, 1227-36	4.1	26
68	Organ- and species-specific biological activity of rosmarinic acid. <i>Toxicology in Vitro</i> , 2016 , 32, 261-8	3.6	25
67	Validation of precision-cut liver slices to study drug-induced cholestasis: a transcriptomics approach. <i>Archives of Toxicology</i> , 2017 , 91, 1401-1412	5.8	25
66	Peribiliary Glands Are Key in Regeneration of the Human Biliary Epithelium After Severe Bile Duct Injury. <i>Hepatology</i> , 2019 , 69, 1719-1734	11.2	23
65	Activation of the prostaglandin E EP receptor attenuates renal fibrosis in unilateral ureteral obstructed mice and human kidney slices. <i>Acta Physiologica</i> , 2019 , 227, e13291	5.6	22
64	Cytomegalovirus infection increases the expression and activity of ecto-ATPase (CD39) and ecto-5Nucleotidase (CD73) on endothelial cells. <i>FEBS Letters</i> , 2001 , 491, 21-5	3.8	22
63	Acute toxicity of CCL4 but not of paracetamol induces a transcriptomic signature of fibrosis in precision-cut liver slices. <i>Toxicology in Vitro</i> , 2015 , 29, 1012-20	3.6	20
62	The influence of brain death on liver function. <i>Liver International</i> , 2005 , 25, 109-16	7.9	20
61	Classification of Cholestatic and Necrotic Hepatotoxicants Using Transcriptomics on Human Precision-Cut Liver Slices. <i>Chemical Research in Toxicology</i> , 2016 , 29, 342-51	4	19
60	Brain death causes structural and inflammatory changes in donor intestine. <i>Transplantation Proceedings</i> , 2005 , 37, 448-9	1.1	19
59	Non-invasive quantification of collagen turnover in renal transplant recipients. <i>PLoS ONE</i> , 2017 , 12, e0175898	3.9	18
58	Addition of Pullulan to Trehalose Glasses Improves the Stability of EGalactosidase at High Moisture Conditions. <i>Carbohydrate Polymers</i> , 2017 , 176, 374-380	10.3	18
57	Human Liver Slices Express the Same Lidocaine Biotransformation Rate as Isolated Human Hepatocytes. <i>ATLA Alternatives To Laboratory Animals</i> , 1993 , 21, 466-469	2.1	18
56	Renal fibrosis in precision-cut kidney slices. <i>European Journal of Pharmacology</i> , 2016 , 790, 57-61	5.3	17

55	Murine Precision-Cut Kidney Slices as an Model to Evaluate the Role of Transforming Growth Factor- β Signaling in the Onset of Renal Fibrosis. <i>Frontiers in Physiology</i> , 2017 , 8, 1026	4.6	17
54	Repair pathways evident in human liver organ slices. <i>Toxicology in Vitro</i> , 2011 , 25, 1485-92	3.6	17
53	Polymeric microspheres for the sustained release of a protein-based drug carrier targeting the PDGF β receptor in the fibrotic kidney. <i>International Journal of Pharmaceutics</i> , 2017 , 534, 229-236	6.5	16
52	Exposure of precision-cut rat liver slices to ethanol accelerates fibrogenesis. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G661-8	5.1	16
51	Pharmacokinetics of a sustained release formulation of PDGF β receptor directed carrier proteins to target the fibrotic liver. <i>Journal of Controlled Release</i> , 2018 , 269, 258-265	11.7	16
50	Precision-cut rat, mouse, and human intestinal slices as novel models for the early-onset of intestinal fibrosis. <i>Physiological Reports</i> , 2015 , 3, e12323	2.6	15
49	Prediction of the pharmacokinetics of succinylated human serum albumin in man from in vivo disposition data in animals and in vitro liver slice incubations. <i>European Journal of Pharmaceutical Sciences</i> , 2006 , 27, 123-32	5.1	14
48	siRNA-Mediated RNA Interference in Precision-Cut Tissue Slices Prepared from Mouse Lung and Kidney. <i>AAPS Journal</i> , 2017 , 19, 1855-1863	3.7	12
47	Value of the in vitro or in vivo monoethylglycinexylidide test for predicting liver graft function. <i>Transplantation</i> , 1997 , 64, 60-5	1.8	11
46	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. <i>Biochemical Pharmacology</i> , 2019 , 169, 113633	6	10
45	Altered tryptophan metabolism and CKD-associated fatigue. <i>Kidney International</i> , 2014 , 86, 1061-2	9.9	10
44	The capability of isolated hepatocytes and liver slices of donor livers to predict graft function after liver transplantation. <i>Liver International</i> , 2000 , 20, 374-80	7.9	10
43	The antifibrotic potential of a sustained release formulation of a PDGF β receptor targeted rho kinase inhibitor. <i>Journal of Controlled Release</i> , 2019 , 296, 250-257	11.7	9
42	Renal expression of Toll-like receptor 2 and 4: dynamics in human allograft injury and comparison to rodents. <i>Molecular Immunology</i> , 2015 , 64, 82-9	4.3	9
41	Transcriptomic characterization of culture-associated changes in murine and human precision-cut tissue slices. <i>Archives of Toxicology</i> , 2019 , 93, 3549-3583	5.8	9
40	siRNA-mediated protein knockdown in precision-cut lung slices. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 133, 339-348	5.7	9
39	A Potent Tartrate Resistant Acid Phosphatase Inhibitor to Study the Function of TRAP in Alveolar Macrophages. <i>Scientific Reports</i> , 2017 , 7, 12570	4.9	8
38	Inhibition of tyrosine kinase receptor signaling attenuates fibrogenesis in an ex vivo model of human renal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, F117-F134	4.3	8

37	An Organogold Compound as Potential Antimicrobial Agent against Drug-Resistant Bacteria: Initial Mechanistic Insights. <i>ChemMedChem</i> , 2021 , 16, 3060-3070	3.7	8
36	Host microbiota dictates the proinflammatory impact of LPS in the murine liver. <i>Toxicology in Vitro</i> , 2020 , 67, 104920	3.6	7
35	In vitro and ex vivo anti-fibrotic effects of LY2109761, a small molecule inhibitor against TGF- β . <i>Toxicology and Applied Pharmacology</i> , 2018 , 355, 127-137	4.6	7
34	Use of Human Tissue Slices in Drug Targeting Research. <i>Methods and Principles in Medicinal Chemistry</i> , 2001 , 309-331	0.4	7
33	The effects of oxygen concentration on cell death, anti-oxidant transcription, acute inflammation, and cell proliferation in precision-cut lung slices. <i>Scientific Reports</i> , 2019 , 9, 16239	4.9	7
32	A Pathophysiological Model of Non-Alcoholic Fatty Liver Disease Using Precision-Cut Liver Slices. <i>Nutrients</i> , 2019 , 11,	6.7	6
31	Time-Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precision-Cut Liver Slices. <i>Small</i> , 2020 , 16, e1906523	11	6
30	Investigating fibrosis and inflammation in an ex vivo NASH murine model. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, G336-G351	5.1	6
29	Growth factors of stem cell niche extend the life-span of precision-cut intestinal slices in culture: A proof-of-concept study. <i>Toxicology in Vitro</i> , 2019 , 59, 312-321	3.6	5
28	Osteoprotegerin is More than a Possible Serum Marker in Liver Fibrosis: A Study into its Function in Human and Murine Liver. <i>Pharmaceutics</i> , 2020 , 12,	6.4	5
27	Comparative study of nanoparticle uptake and impact in murine lung, liver and kidney tissue slices. <i>Nanotoxicology</i> , 2020 , 14, 847-865	5.3	5
26	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	5
25	Macromolecular Crowding as a Tool to Screen Anti-fibrotic Drugs: The Scar-in-a-Jar System Revisited. <i>Frontiers in Medicine</i> , 2020 , 7, 615774	4.9	5
24	Current Concepts of Biliary Atresia and Matrix Metalloproteinase-7: A Review of Literature. <i>Frontiers in Medicine</i> , 2020 , 7, 617261	4.9	4
23	Uptake of taurocholic acid in human hepatocytes isolated from livers of donors of different age. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1998 , 27, 366-8	2.8	4
22	The Citrullinated and MMP-degraded Vimentin Biomarker (VICM) Predicts Early Response to Anti-TNF α Treatment in Crohn's Disease. <i>Journal of Clinical Gastroenterology</i> , 2021 , 55, 59-66	3	4
21	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165582	6.9	4
20	Gene therapy strategies for idiopathic pulmonary fibrosis: recent advances, current challenges, and future directions. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021 , 20, 483-496	6.4	4

19	Regional Differences in Human Intestinal Drug Metabolism. <i>Drug Metabolism and Disposition</i> , 2018 , 46, 1879-1885	4	4
18	Murine Precision-cut Intestinal Slices as a Potential Screening Tool for Antifibrotic Drugs. <i>Inflammatory Bowel Diseases</i> , 2020 , 26, 678-686	4.5	3
17	Shifting Paradigms for Suppressing Fibrosis in Kidney Transplants: Supplementing Perfusion Solutions With Anti-fibrotic Drugs.. <i>Frontiers in Medicine</i> , 2021 , 8, 806774	4.9	3
16	Nanoparticle-induced inflammation and fibrosis in ex vivo murine precision-cut liver slices and effects of nanoparticle exposure conditions. <i>Archives of Toxicology</i> , 2021 , 95, 1267-1285	5.8	3
15	Intestinal stenosis in Crohn's disease shows a generalized upregulation of genes involved in collagen metabolism and recognition that could serve as novel anti-fibrotic drug targets. <i>Therapeutic Advances in Gastroenterology</i> , 2020 , 13, 1756284820952578	4.7	2
14	Design of a Gene Panel to Expose the Versatile Role of Hepatic Stellate Cells in Human Liver Fibrosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	2
13	Rat and human intestinal slices as a model for intestinal fibrosis in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2011 , 17, S76	4.5	1
12	Osteoprotegerin Expression in Liver is Induced by IL13 through TGF β <i>Cellular Physiology and Biochemistry</i> , 2022 , 56, 28-38	3.9	1
11	Serological Biomarkers of Tissue Turnover Identify Responders to Anti-TNF Therapy in Crohn's Disease: A Pilot Study. <i>Clinical and Translational Gastroenterology</i> , 2020 , 11, e00217	4.2	1
10	Rifampicin Induces Gene, Protein, and Activity of P-Glycoprotein (ABCB1) in Human Precision-Cut Intestinal Slices. <i>Frontiers in Pharmacology</i> , 2021 , 12, 684156	5.6	1
9	Local Inhibition of Indoleamine 2,3-Dioxygenase Mitigates Renal Fibrosis. <i>Biomedicines</i> , 2021 , 9,	4.8	1
8	Silencing Heat Shock Protein 47 (HSP47) in Fibrogenic Precision-Cut Lung Slices: A Surprising Lack of Effects on Fibrogenesis?. <i>Frontiers in Medicine</i> , 2021 , 8, 607962	4.9	1
7	Exploring Porcine Precision-Cut Kidney Slices as a Model for Transplant-Related Ischemia-Reperfusion Injury. <i>Transplantation</i> , 2022 , 3, 139-151	1	1
6	The gastrointestinal microbiota in colorectal cancer cell migration and invasion. <i>Clinical and Experimental Metastasis</i> , 2021 , 38, 495-510	4.7	0
5	Survival and cellular heterogeneity of epithelium in cultured mouse and rat precision-cut intestinal slices. <i>Toxicology in Vitro</i> , 2020 , 69, 104974	3.6	0
4	Colorectal anastomotic leak: transcriptomic profile analysis. <i>British Journal of Surgery</i> , 2021 , 108, 326-333	3.3	0
3	Ex Vivo Model in Cholestasis Research. <i>Methods in Molecular Biology</i> , 2019 , 1981, 351-362	1.4	
2	The Authors Reply. <i>Kidney International</i> , 2015 , 88, 637	9.9	

- 1 Hepatic Steatosis Contributes to the Development of Muscle Atrophy Inter-Organ Crosstalk.
Frontiers in Endocrinology, **2021**, 12, 733625 5·7