Peter Olinga

List of Publications by Year in Descending Order

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	Osteoprotegerin Expression in Liver is Induced by IL13 through TGF *Cellular Physiology and Biochemistry*, **2022**, 56, 28-38	3.9	1
125	Exploring Porcine Precision-Cut Kidney Slices as a Model for Transplant-Related Ischemia-Reperfusion Injury. *Transplantology*, **2022**, 3, 139-151	1	1
124	The gastrointestinal microbiota in colorectal cancer cell migration and invasion. *Clinical and Experimental Metastasis*, **2021**, 38, 495-510	4.7	0
123	Shifting Paradigms for Suppressing Fibrosis in Kidney Transplants: Supplementing Perfusion Solutions With Anti-fibrotic Drugs.. *Frontiers in Medicine*, **2021**, 8, 806774	4.9	3
122	Hepatic Steatosis Contributes to the Development of Muscle Atrophy Inter-Organ Crosstalk. *Frontiers in Endocrinology*, **2021**, 12, 733625	5.7	
121	The Citrullinated and MMP-degraded Vimentin Biomarker (VICM) Predicts Early Response to Anti-TNF Treatment in Crohn's Disease. *Journal of Clinical Gastroenterology*, **2021**, 55, 59-66	3	4
120	Gene therapy strategies for idiopathic pulmonary fibrosis: recent advances, current challenges, and future directions. *Molecular Therapy - Methods and Clinical Development*, **2021**, 20, 483-496	6.4	4
119	Rifampicin Induces Gene, Protein, and Activity of P-Glycoprotein (ABCB1) in Human Precision-Cut Intestinal Slices. *Frontiers in Pharmacology*, **2021**, 12, 684156	5.6	1
118	Local Inhibition of Indoleamine 2,3-Dioxygenase Mitigates Renal Fibrosis. *Biomedicines*, **2021**, 9,	4.8	1
117	An Organogold Compound as Potential Antimicrobial Agent against Drug-Resistant Bacteria: Initial Mechanistic Insights. *ChemMedChem*, **2021**, 16, 3060-3070	3.7	8
116	Silencing Heat Shock Protein 47 (HSP47) in Fibrogenic Precision-Cut Lung Slices: A Surprising Lack of Effects on Fibrogenesis?. *Frontiers in Medicine*, **2021**, 8, 607962	4.9	1
115	Nanoparticle-induced inflammation and fibrosis in ex vivo murine precision-cut liver slices and effects of nanoparticle exposure conditions. *Archives of Toxicology*, **2021**, 95, 1267-1285	5.8	3
114	Colorectal anastomotic leak: transcriptomic profile analysis. *British Journal of Surgery*, **2021**, 108, 326-333	9.3	0
113	Current Concepts of Biliary Atresia and Matrix Metalloproteinase-7: A Review of Literature. *Frontiers in Medicine*, **2020**, 7, 617261	4.9	4
112	Osteoprotegerin is More than a Possible Serum Marker in Liver Fibrosis: A Study into its Function in Human and Murine Liver. *Pharmaceutics*, **2020**, 12,	6.4	5
111	Comparative study of nanoparticle uptake and impact in murine lung, liver and kidney tissue slices. *Nanotoxicology*, **2020**, 14, 847-865	5.3	5
110	Host microbiota dictates the proinflammatory impact of LPS in the murine liver. *Toxicology in Vitro*, **2020**, 67, 104920	3.6	7

109	Time-Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precision-Cut Liver Slices. *Small*, **2020**, 16, e1906523	11	6
108	Murine Precision-cut Intestinal Slices as a Potential Screening Tool for Antifibrotic Drugs. *Inflammatory Bowel Diseases*, **2020**, 26, 678-686	4.5	3
107	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. *Pharmaceutics*, **2020**, 12,	6.4	5
106	Investigating fibrosis and inflammation in an ex vivo NASH murine model. *American Journal of Physiology - Renal Physiology*, **2020**, 318, G336-G351	5.1	6
105	Inhibition of tyrosine kinase receptor signaling attenuates fibrogenesis in an ex vivo model of human renal fibrosis. *American Journal of Physiology - Renal Physiology*, **2020**, 318, F117-F134	4.3	8
104	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165582	6.9	4
103	Serological Biomarkers of Tissue Turnover Identify Responders to Anti-TNF Therapy in Crohn's Disease: A Pilot Study. *Clinical and Translational Gastroenterology*, **2020**, 11, e00217	4.2	1
102	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. *Therapeutic Advances in Gastroenterology*, **2020**, 13, 1756284820952578	4.7	2
101	Survival and cellular heterogeneity of epithelium in cultured mouse and rat precision-cut intestinal slices. *Toxicology in Vitro*, **2020**, 69, 104974	3.6	0
100	Potential implications of COVID-19 in non-alcoholic fatty liver disease. *Liver International*, **2020**, 40, 2568	7.9	34
99	Design of a Gene Panel to Expose the Versatile Role of Hepatic Stellate Cells in Human Liver Fibrosis. *Pharmaceutics*, **2020**, 12,	6.4	2
98	Macromolecular Crowding as a Tool to Screen Anti-fibrotic Drugs: The Scar-in-a-Jar System Revisited. *Frontiers in Medicine*, **2020**, 7, 615774	4.9	5
97	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. *Biochemical Pharmacology*, **2019**, 169, 113633	6	10
96	The antifibrotic potential of a sustained release formulation of a PDGFR-receptor targeted rho kinase inhibitor. *Journal of Controlled Release*, **2019**, 296, 250-257	11.7	9
95	Growth factors of stem cell niche extend the life-span of precision-cut intestinal slices in culture: A proof-of-concept study. *Toxicology in Vitro*, **2019**, 59, 312-321	3.6	5
94	Activation of the prostaglandin E EP receptor attenuates renal fibrosis in unilateral ureteral obstructed mice and human kidney slices. *Acta Physiologica*, **2019**, 227, e13291	5.6	22
93	Ex Vivo Model in Cholestasis Research. *Methods in Molecular Biology*, **2019**, 1981, 351-362	1.4	
92	A Pathophysiological Model of Non-Alcoholic Fatty Liver Disease Using Precision-Cut Liver Slices. *Nutrients*, **2019**, 11,	6.7	6

91	Vanin 1: Its Physiological Function and Role in Diseases. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	29
90	Transcriptomic characterization of culture-associated changes in murine and human precision-cut tissue slices. *Archives of Toxicology*, **2019**, 93, 3549-3583	5.8	9
89	The effects of oxygen concentration on cell death, anti-oxidant transcription, acute inflammation, and cell proliferation in precision-cut lung slices. *Scientific Reports*, **2019**, 9, 16239	4.9	7
88	Peribiliary Glands Are Key in Regeneration of the Human Biliary Epithelium After Severe Bile Duct Injury. *Hepatology*, **2019**, 69, 1719-1734	11.2	23
87	Mucus Microbiome of Anastomotic Tissue During Surgery Has Predictive Value for Colorectal Anastomotic Leakage. *Annals of Surgery*, **2019**, 269, 911-916	7.8	55
86	MicroRNA-21 and Dicer are dispensable for hepatic stellate cell activation and the development of liver fibrosis. *Hepatology*, **2018**, 67, 2414-2429	11.2	45
85	In vitro and ex vivo anti-fibrotic effects of LY2109761, a small molecule inhibitor against TGF- *Toxicology and Applied Pharmacology*, **2018**, 355, 127-137	4.6	7
84	Targeting Oxidative Stress for the Treatment of Liver Fibrosis. *Reviews of Physiology, Biochemistry and Pharmacology*, **2018**, 175, 71-102	2.9	89
83	Pharmacokinetics of a sustained release formulation of PDGF receptor directed carrier proteins to target the fibrotic liver. *Journal of Controlled Release*, **2018**, 269, 258-265	11.7	16
82	siRNA-mediated protein knockdown in precision-cut lung slices. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 133, 339-348	5.7	9
81	Regional Differences in Human Intestinal Drug Metabolism. *Drug Metabolism and Disposition*, **2018**, 46, 1879-1885	4	4
80	Misbalance in type III collagen formation/degradation as a novel serological biomarker for penetrating (Montreal B3) Crohn's disease. *Alimentary Pharmacology and Therapeutics*, **2017**, 46, 26-39	6.1	31
79	A Potent Tartrate Resistant Acid Phosphatase Inhibitor to Study the Function of TRAP in Alveolar Macrophages. *Scientific Reports*, **2017**, 7, 12570	4.9	8
78	siRNA-Mediated RNA Interference in Precision-Cut Tissue Slices Prepared from Mouse Lung and Kidney. *AAPS Journal*, **2017**, 19, 1855-1863	3.7	12
77	Polymeric microspheres for the sustained release of a protein-based drug carrier targeting the PDGF receptor in the fibrotic kidney. *International Journal of Pharmaceutics*, **2017**, 534, 229-236	6.5	16
76	Non-invasive quantification of collagen turnover in renal transplant recipients. *PLoS ONE*, **2017**, 12, e0175898	3.7	18
75	Addition of Pullulan to Trehalose Glasses Improves the Stability of Galactosidase at High Moisture Conditions. *Carbohydrate Polymers*, **2017**, 176, 374-380	10.3	18
74	Hepcidin is regulated by promoter-associated histone acetylation and HDAC3. *Nature Communications*, **2017**, 8, 403	17.4	29

73	Evaluating the antifibrotic potency of galunisertib in a human ex vivo model of liver fibrosis. *British Journal of Pharmacology*, **2017**, 174, 3107-3117	8.6	43
72	Validation of precision-cut liver slices to study drug-induced cholestasis: a transcriptomics approach. *Archives of Toxicology*, **2017**, 91, 1401-1412	5.8	25
71	Murine Precision-Cut Kidney Slices as an Model to Evaluate the Role of Transforming Growth Factor-β1 Signaling in the Onset of Renal Fibrosis. *Frontiers in Physiology*, **2017**, 8, 1026	4.6	17
70	Renal fibrosis in precision-cut kidney slices. *European Journal of Pharmacology*, **2016**, 790, 57-61	5.3	17
69	Human precision-cut liver slices as a model to test antifibrotic drugs in the early onset of liver fibrosis. *Toxicology in Vitro*, **2016**, 35, 77-85	3.6	32
68	Organ- and species-specific biological activity of rosmarinic acid. *Toxicology in Vitro*, **2016**, 32, 261-8	3.6	25
67	Classification of Cholestatic and Necrotic Hepatotoxicants Using Transcriptomics on Human Precision-Cut Liver Slices. *Chemical Research in Toxicology*, **2016**, 29, 342-51	4	19
66	Precision-cut human kidney slices as a model to elucidate the process of renal fibrosis. *Translational Research*, **2016**, 170, 8-16.e1	11	26
65	Intestinal microbiota and anastomotic leakage of stapled colorectal anastomoses: a pilot study. *Surgical Endoscopy and Other Interventional Techniques*, **2016**, 30, 2259-65	5.2	43
64	Acute toxicity of CCl4 but not of paracetamol induces a transcriptomic signature of fibrosis in precision-cut liver slices. *Toxicology in Vitro*, **2015**, 29, 1012-20	3.6	20
63	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. *Journal of Crohn's and Colitis*, **2015**, 9, 863-72	1.5	43
62	Precision-cut rat, mouse, and human intestinal slices as novel models for the early-onset of intestinal fibrosis. *Physiological Reports*, **2015**, 3, e12323	2.6	15
61	The Authors Reply. *Kidney International*, **2015**, 88, 637	9.9	
60	Renal expression of Toll-like receptor 2 and 4: dynamics in human allograft injury and comparison to rodents. *Molecular Immunology*, **2015**, 64, 82-9	4.3	9
59	Chronic Kidney Disease and Fibrosis: The Role of Uremic Retention Solutes. *Frontiers in Medicine*, **2015**, 2, 60	4.9	43
58	Targeted Therapies in Liver Fibrosis: Combining the Best Parts of Platelet-Derived Growth Factor BB and Interferon Gamma. *Frontiers in Medicine*, **2015**, 2, 72	4.9	33
57	Precision-cut kidney slices (PCKS) to study development of renal fibrosis and efficacy of drug targeting ex vivo. *DMM Disease Models and Mechanisms*, **2015**, 8, 1227-36	4.1	26
56	Production methods and stabilization strategies for polymer-based nanoparticles and microparticles for parenteral delivery of peptides and proteins. *Expert Opinion on Drug Delivery*, **2015**, 12, 1311-31	8	32

55	Altered tryptophan metabolism and CKD-associated fatigue. *Kidney International*, **2014**, 86, 1061-2	9.9	10
54	The effect of antifibrotic drugs in rat precision-cut fibrotic liver slices. *PLoS ONE*, **2014**, 9, e95462	3.7	36
53	Precision-cut liver slices as a model for the early onset of liver fibrosis to test antifibrotic drugs. *Toxicology and Applied Pharmacology*, **2014**, 274, 328-38	4.6	51
52	Evaluation of fibrosis in precision-cut tissue slices. *Xenobiotica*, **2013**, 43, 98-112	2	30
51	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. *Archives of Toxicology*, **2013**, 87, 1315-530	5.8	837
50	Precision-cut liver slices: a tool to model the liver ex vivo. *Journal of Hepatology*, **2013**, 58, 1252-3	13.4	77
49	Complement mediated renal inflammation induced by donor brain death: role of renal C5a-C5aR interaction. *American Journal of Transplantation*, **2013**, 13, 875-882	8.7	52
48	Repair pathways evident in human liver organ slices. *Toxicology in Vitro*, **2011**, 25, 1485-92	3.6	17
47	Rat and human intestinal slices as a model for intestinal fibrosis in Inflammatory Bowel Disease. *Inflammatory Bowel Diseases*, **2011**, 17, S76	4.5	1
46	Gene expression analysis of precision-cut human liver slices indicates stable expression of ADME-Tox related genes. *Toxicology and Applied Pharmacology*, **2011**, 253, 57-69	4.6	53
45	Preparation and incubation of precision-cut liver and intestinal slices for application in drug metabolism and toxicity studies. *Nature Protocols*, **2010**, 5, 1540-51	18.8	250
44	Exposure of precision-cut rat liver slices to ethanol accelerates fibrogenesis. *American Journal of Physiology - Renal Physiology*, **2010**, 299, G661-8	5.1	16
43	An in vitro method of alcoholic liver injury using precision-cut liver slices from rats. *Biochemical Pharmacology*, **2008**, 76, 426-36	6	39
42	Coordinated induction of drug transporters and phase I and II metabolism in human liver slices. *European Journal of Pharmaceutical Sciences*, **2008**, 33, 380-9	5.1	75
41	Microarray analysis in rat liver slices correctly predicts in vivo hepatotoxicity. *Toxicology and Applied Pharmacology*, **2008**, 229, 300-9	4.6	82
40	Liver slices as a model to study fibrogenesis and test the effects of anti-fibrotic drugs on fibrogenic cells in human liver. *Toxicology in Vitro*, **2008**, 22, 771-8	3.6	40
39	Precision-cut tissue slices as a tool to predict metabolism of novel drugs. *Expert Opinion on Drug Metabolism and Toxicology*, **2007**, 3, 879-98	5.5	102
38	Liver fibrosis in vitro: cell culture models and precision-cut liver slices. *Toxicology in Vitro*, **2007**, 21, 545-576	3.6	73

37	Human liver slices as an in vitro model to study toxicity-induced hepatic stellate cell activation in a multicellular milieu. *Chemico-Biological Interactions*, **2006**, 162, 62-69	5	32
36	Prediction of the pharmacokinetics of succinylated human serum albumin in man from in vivo disposition data in animals and in vitro liver slice incubations. *European Journal of Pharmaceutical Sciences*, **2006**, 27, 123-32	5.1	14
35	An ex vivo human model system to evaluate specificity of replicating and non-replicating gene therapy agents. *Journal of Gene Medicine*, **2006**, 8, 35-41	3.5	31
34	Precision-cut fibrotic rat liver slices as a new model to test the effects of anti-fibrotic drugs in vitro. *Journal of Hepatology*, **2006**, 45, 696-703	13.4	31
33	Gliotoxin non-selectively induces apoptosis in fibrotic and normal livers. *Liver International*, **2006**, 26, 232-9	7.9	44
32	Brain death causes structural and inflammatory changes in donor intestine. *Transplantation Proceedings*, **2005**, 37, 448-9	1.1	19
31	The influence of brain death on liver function. *Liver International*, **2005**, 25, 109-16	7.9	20
30	Novel biotransformation and physiological properties of norursodeoxycholic acid in humans. *Hepatology*, **2005**, 42, 1391-8	11.2	88
29	Oxygenation during hypothermic rat liver preservation: an in vitro slice study to demonstrate beneficial or toxic oxygenation effects. *Liver Transplantation*, **2005**, 11, 1403-11	4.5	46
28	Precision-cut liver slices as a new model to study toxicity-induced hepatic stellate cell activation in a physiologic milieu. *Toxicological Sciences*, **2005**, 85, 632-8	4.4	73
27	Organ slice viability extended for pathway characterization: an in vitro model to investigate fibrosis. *Toxicological Sciences*, **2004**, 82, 534-44	4.4	58
26	LPS-induced downregulation of MRP2 and BSEP in human liver is due to a posttranscriptional process. *American Journal of Physiology - Renal Physiology*, **2004**, 287, G1008-16	5.1	132
25	Initial blood washout during organ procurement determines liver injury and function after preservation and reperfusion. *American Journal of Transplantation*, **2004**, 4, 1836-44	8.7	36
24	Prostaglandin E2 inhibits transforming growth factor beta 1-mediated induction of collagen alpha 1(I) in hepatic stellate cells. *Journal of Hepatology*, **2004**, 41, 251-8	13.4	57
23	Drug-metabolizing activity of human and rat liver, lung, kidney and intestine slices. *Xenobiotica*, **2002**, 32, 349-62	2	69
22	Use of Human Tissue Slices in Drug Targeting Research. *Methods and Principles in Medicinal Chemistry*, **2001**, 309-331	0.4	7
21	Characteristics of the hepatic stellate cell-selective carrier mannose 6-phosphate modified albumin (M6P(28)-HSA). *Liver*, **2001**, 21, 320-8		63
20	Targeting dexamethasone to Kupffer cells: effects on liver inflammation and fibrosis in rats. *Hepatology*, **2001**, 34, 719-28	11.2	76

19	The applicability of rat and human liver slices to the study of mechanisms of hepatic drug uptake. *Journal of Pharmacological and Toxicological Methods*, **2001**, 45, 55-63	1.7	54
18	Rat liver slices as a tool to study LPS-induced inflammatory response in the liver. *Journal of Hepatology*, **2001**, 35, 187-94	13.4	79
17	Cytomegalovirus infection increases the expression and activity of ecto-ATPase (CD39) and ecto-5'-nucleotidase (CD73) on endothelial cells. *FEBS Letters*, **2001**, 491, 21-5	3.8	22
16	The capability of isolated hepatocytes and liver slices of donor livers to predict graft function after liver transplantation. *Liver International*, **2000**, 20, 374-80	7.9	10
15	Procalcitonin behaves as a fast responding acute phase protein in vivo and in vitro. *Critical Care Medicine*, **2000**, 28, 458-61	1.4	220
14	Dexamethasone coupled to albumin is selectively taken up by rat nonparenchymal liver cells and attenuates LPS-induced activation of hepatic cells. *Journal of Hepatology*, **2000**, 32, 603-11	13.4	50
13	Albumin modified with mannose 6-phosphate: A potential carrier for selective delivery of antifibrotic drugs to rat and human hepatic stellate cells. *Hepatology*, **1999**, 29, 1486-93	11.2	123
12	Organ slices as an in vitro test system for drug metabolism in human liver, lung and kidney. *Toxicology in Vitro*, **1999**, 13, 737-44	3.6	49
11	Effect of cold and warm ischaemia on drug metabolism in isolated hepatocytes and slices from human and monkey liver. *Xenobiotica*, **1998**, 28, 349-60	2	35
10	A rapid and simple method for cryopreservation of human liver slices. *Xenobiotica*, **1998**, 28, 225-34	2	41
9	Uptake of taurocholic acid in human hepatocytes isolated from livers of donors of different age. *Journal of Pediatric Gastroenterology and Nutrition*, **1998**, 27, 366-8	2.8	4
8	Effect of human liver source on the functionality of isolated hepatocytes and liver slices. *Drug Metabolism and Disposition*, **1998**, 26, 5-11	4	58
7	Liver slices in in vitro pharmacotoxicology with special reference to the use of human liver tissue. *Toxicology in Vitro*, **1997**, 12, 77-100	3.6	73
6	Influence of 48 hours of cold storage in University of Wisconsin organ preservation solution on metabolic capacity of rat hepatocytes. *Journal of Hepatology*, **1997**, 27, 738-43	13.4	27
5	Comparison of five incubation systems for rat liver slices using functional and viability parameters. *Journal of Pharmacological and Toxicological Methods*, **1997**, 38, 59-69	1.7	89
4	Value of the in vitro or in vivo monoethylglycinexylidide test for predicting liver graft function. *Transplantation*, **1997**, 64, 60-5	1.8	11
3	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. *Biochemical Pharmacology*, **1994**, 47, 2193-200	6	52
2	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. *Pharmaceutical Research*, **1993**, 10, 1611-4	4.5	29

1	Human Liver Slices Express the Same Lidocaine Biotransformation Rate as Isolated Human Hepatocytes. *ATLA Alternatives To Laboratory Animals*, **1993**, 21, 466-469	2.1	18