## Peter Olinga

List of Publications by Year in descending order

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DETED OLINCA

#	Article	IF	CITATIONS
1	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, 1315-1530.	4.2	1,089
2	Preparation and incubation of precision-cut liver and intestinal slices for application in drug metabolism and toxicity studies. Nature Protocols, 2010, 5, 1540-1551.	12.0	321
3	Procalcitonin behaves as a fast responding acute phase protein in vivo and in vitro. Critical Care Medicine, 2000, 28, 458-461.	0.9	257
4	Targeting Oxidative Stress for the Treatment of Liver Fibrosis. Reviews of Physiology, Biochemistry and Pharmacology, 2018, 175, 71-102.	1.6	163
5	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-G1016.	3.4	147
6	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, 1486-1493.	7.3	142
7	Precision-cut tissue slices as a tool to predict metabolism of novel drugs. Expert Opinion on Drug Metabolism and Toxicology, 2007, 3, 879-898.	3.3	116
8	Novel biotransformation and physiological properties of norursodeoxycholic acid in humans. Hepatology, 2005, 42, 1391-1398.	7.3	105
9	Comparison of five incubation systems for rat liver slices using functional and viability parameters. Journal of Pharmacological and Toxicological Methods, 1997, 38, 59-69.	0.7	97
10	Targeting dexamethasone to Kupffer cells: Effects on liver inflammation and fibrosis in rats. Hepatology, 2001, 34, 719-728.	7.3	93
11	Precision-cut liver slices: A tool to model the liver ex vivo. Journal of Hepatology, 2013, 58, 1252-1253.	3.7	93
12	Mucus Microbiome of Anastomotic Tissue During Surgery Has Predictive Value for Colorectal Anastomotic Leakage. Annals of Surgery, 2019, 269, 911-916.	4.2	92
13	Rat liver slices as a tool to study LPS-induced inflammatory response in the liver. Journal of Hepatology, 2001, 35, 187-194.	3.7	86
14	Precision-Cut Liver Slices as a New Model to Study Toxicity-Induced Hepatic Stellate Cell Activation in a Physiologic Milieu. Toxicological Sciences, 2005, 85, 632-638.	3.1	85
15	Microarray analysis in rat liver slices correctly predicts in vivo hepatotoxicity. Toxicology and Applied Pharmacology, 2008, 229, 300-309.	2.8	85
16	Coordinated induction of drug transporters and phase I and II metabolism in human liver slices. European Journal of Pharmaceutical Sciences, 2008, 33, 380-389.	4.0	83
17	Liver slices in in vitro pharmacotoxicology with special reference to the use of human liver tissue. Toxicology in Vitro, 1997, 12, 77-100.	2.4	81
18	Liver fibrosis in vitro: Cell culture models and precision-cut liver slices. Toxicology in Vitro, 2007, 21, 545-557.	2.4	79

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19	Drug-metabolizing activity of human and rat liver, lung, kidney and intestine slices. Xenobiotica, 2002, 32, 349-362.	1.1	78
20	Vanin 1: Its Physiological Function and Role in Diseases. International Journal of Molecular Sciences, 2019, 20, 3891.	4.1	70
21	Characteristics of the hepatic stellate cell-selective carrier mannose 6-phosphate modified albumin (M6P28-HSA). Liver, 2001, 21, 320-328.	0.1	69
22	Prostaglandin E2 inhibits transforming growth factor β1-mediated induction of collagen α1(I) in hepatic stellate cells. Journal of Hepatology, 2004, 41, 251-258.	3.7	69
23	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, 863-872.	1.3	69
24	Effect of human liver source on the functionality of isolated hepatocytes and liver slices. Drug Metabolism and Disposition, 1998, 26, 5-11.	3.3	69
25	Evaluating the antifibrotic potency of galunisertib in a human <i>ex vivo</i> model of liver fibrosis. British Journal of Pharmacology, 2017, 174, 3107-3117.	5.4	68
26	Organ Slice Viability Extended for Pathway Characterization: An in Vitro Model to Investigate Fibrosis. Toxicological Sciences, 2004, 82, 534-544.	3.1	65
27	Precision-cut liver slices as a model for the early onset of liver fibrosis to test antifibrotic drugs. Toxicology and Applied Pharmacology, 2014, 274, 328-338.	2.8	65
28	MicroRNAâ€21 and Dicer are dispensable for hepatic stellate cell activation and the development of liver fibrosis. Hepatology, 2018, 67, 2414-2429.	7.3	64
29	Complement Mediated Renal Inflammation Induced by Donor Brain Death: Role of Renal C5a-C5aR Interaction. American Journal of Transplantation, 2013, 13, 875-882.	4.7	62
30	Intestinal microbiota and anastomotic leakage of stapled colorectal anastomoses: a pilot study. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 2259-2265.	2.4	62
31	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.	0.7	60
32	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.	2.8	58
33	Characterization of transport in isolated human hepatocytes. Biochemical Pharmacology, 1994, 47, 2193-2200.	4.4	56
34	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, 603-611.	3.7	54
35	Oxygenation during hypothermic rat liver preservation: An in vitro slice study to demonstrate beneficial or toxic oxygenation effects. Liver Transplantation, 2005, 11, 1403-1411.	2.4	54
36	Organ Slices as an In Vitro Test System for Drug Metabolism in Human Liver, Lung and Kidney. Toxicology in Vitro, 1999, 13, 737-744.	2.4	53

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37	Chronic Kidney Disease and Fibrosis: The Role of Uremic Retention Solutes. Frontiers in Medicine, 2015, 2, 60.	2.6	52
38	Gliotoxin non-selectively induces apoptosis in fibrotic and normal livers. Liver International, 2006, 26, 232-239.	3.9	51
39	Misbalance in type <scp>III</scp> collagen formation/degradation as a novel serological biomarker for penetrating (Montreal B3) Crohn's disease. Alimentary Pharmacology and Therapeutics, 2017, 46, 26-39.	3.7	49
40	Targeted Therapies in Liver Fibrosis: Combining the Best Parts of Platelet-Derived Growth Factor BB and Interferon Gamma. Frontiers in Medicine, 2015, 2, 72.	2.6	48
41	The Effect of Antifibrotic Drugs in Rat Precision-Cut Fibrotic Liver Slices. PLoS ONE, 2014, 9, e95462.	2.5	46
42	Potential implications of COVIDâ€19 in nonâ€alcoholic fatty liver disease. Liver International, 2020, 40, 2568-2568.	3.9	46
43	Hepcidin is regulated by promoter-associated histone acetylation and HDAC3. Nature Communications, 2017, 8, 403.	12.8	45
44	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, 771-778.	2.4	44
45	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.	2.4	44
46	Peribiliary Glands Are Key in Regeneration of the Human Biliary Epithelium After Severe Bile Duct Injury. Hepatology, 2019, 69, 1719-1734.	7.3	44
47	A rapid and simple method for cryopreservation of human liver slices. Xenobiotica, 1998, 28, 225-234.	1.1	43
48	An in vitro method of alcoholic liver injury using precision-cut liver slices from rats. Biochemical Pharmacology, 2008, 76, 426-436.	4.4	43
49	Initial Blood Washout During Organ Procurement Determines Liver Injury and Function After Preservation and Reperfusion. American Journal of Transplantation, 2004, 4, 1836-1844.	4.7	42
50	Activation of the prostaglandin E <sub>2</sub> EP <sub>2</sub> receptor attenuates renal fibrosis in unilateral ureteral obstructed mice and human kidney slices. Acta Physiologica, 2019, 227, e13291.	3.8	41
51	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, 1311-1331.	5.0	39
52	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.	3.7	37
53	Precision-cut human kidney slices as a model to elucidate the process of renal fibrosis. Translational Research, 2016, 170, 8-16.e1.	5.0	37
54	Effect of cold and warm ischaemia on drug metabolism in isolated hepatocytes and slices from human and monkey liver. Xenobiotica, 1998, 28, 349-360.	1.1	35

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55	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.	4.0	35
56	Evaluation of fibrosis in precision-cut tissue slices. Xenobiotica, 2013, 43, 98-112.	1.1	35
57	Precision-cut kidney slices (PCKS) to study development of renal fibrosis and efficacy of drug targeting <i>ex vivo</i> . DMM Disease Models and Mechanisms, 2015, 8, 1227-36.	2.4	34
58	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, 1611-1614.	3.5	32
59	Validation of precision-cut liver slices to study drug-induced cholestasis: a transcriptomics approach. Archives of Toxicology, 2017, 91, 1401-1412.	4.2	32
60	Anex vivo human model system to evaluate specificity of replicating and non-replicating gene therapy agents. Journal of Gene Medicine, 2006, 8, 35-41.	2.8	31
61	Organ- and species-specific biological activity of rosmarinic acid. Toxicology in Vitro, 2016, 32, 261-268.	2.4	29
62	Cytomegalovirus infection increases the expression and activity of ecto-ATPase (CD39) and ecto-5′nucleotidase (CD73) on endothelial cells. FEBS Letters, 2001, 491, 21-25.	2.8	28
63	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, 738-743.	3.7	27
64	Addition of Pullulan to Trehalose Glasses Improves the Stability of β-Galactosidase at High Moisture Conditions. Carbohydrate Polymers, 2017, 176, 374-380.	10.2	27
65	Non-invasive quantification of collagen turnover in renal transplant recipients. PLoS ONE, 2017, 12, e0175898.	2.5	27
66	Comparative study of nanoparticle uptake and impact in murine lung, liver and kidney tissue slices. Nanotoxicology, 2020, 14, 847-865.	3.0	27
67	The influence of brain death on liver function. Liver International, 2005, 25, 109-116.	3.9	26
68	Transcriptomic characterization of culture-associated changes in murine and human precision-cut tissue slices. Archives of Toxicology, 2019, 93, 3549-3583.	4.2	26
69	An Organogold Compound as Potential Antimicrobial Agent against Drugâ€Resistant Bacteria: Initial Mechanistic Insights. ChemMedChem, 2021, 16, 3060-3070.	3.2	26
70	Brain death causes structural and inflammatory changes in donor intestine. Transplantation Proceedings, 2005, 37, 448-449.	0.6	24
71	Murine Precision-Cut Kidney Slices as an ex vivo Model to Evaluate the Role of Transforming Growth Factor-β1 Signaling in the Onset of Renal Fibrosis. Frontiers in Physiology, 2017, 8, 1026.	2.8	23
72	Pharmacokinetics of a sustained release formulation of PDGFÎ <sup>2</sup> -receptor directed carrier proteins to target the fibrotic liver. Journal of Controlled Release, 2018, 269, 258-265.	9.9	23

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73	Renal fibrosis in precision-cut kidney slices. European Journal of Pharmacology, 2016, 790, 57-61.	3.5	22
74	Acute toxicity of CCl4 but not of paracetamol induces a transcriptomic signature of fibrosis in precision-cut liver slices. Toxicology in Vitro, 2015, 29, 1012-1020.	2.4	21
75	Classification of Cholestatic and Necrotic Hepatotoxicants Using Transcriptomics on Human Precision-Cut Liver Slices. Chemical Research in Toxicology, 2016, 29, 342-351.	3.3	21
76	Polymeric microspheres for the sustained release of a protein-based drug carrier targeting the PDGFβ-receptor in the fibrotic kidney. International Journal of Pharmaceutics, 2017, 534, 229-236.	5.2	21
77	Gene therapy strategies for idiopathic pulmonary fibrosis: recent advances, current challenges, and future directions. Molecular Therapy - Methods and Clinical Development, 2021, 20, 483-496.	4.1	21
78	siRNA-mediated protein knockdown in precision-cut lung slices. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 133, 339-348.	4.3	20
79	Current Concepts of Biliary Atresia and Matrix Metalloproteinase-7: A Review of Literature. Frontiers in Medicine, 2020, 7, 617261.	2.6	20
80	Repair pathways evident in human liver organ slices. Toxicology in Vitro, 2011, 25, 1485-1492.	2.4	19
81	Precision-cut rat, mouse, and human intestinal slices as novel models for the early-onset of intestinal fibrosis. Physiological Reports, 2015, 3, e12323.	1.7	19
82	Timeâ€Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precision ut Liver Slices. Small, 2020, 16, e1906523.	10.0	19
83	Human Liver Slices Express the Same Lidocaine Biotransformation Rate as Isolated Human Hepatocytes. ATLA Alternatives To Laboratory Animals, 1993, 21, 466-469.	1.0	19
84	Exposure of precision-cut rat liver slices to ethanol accelerates fibrogenesis. American Journal of Physiology - Renal Physiology, 2010, 299, G661-G668.	3.4	17
85	siRNA-Mediated RNA Interference in Precision-Cut Tissue Slices Prepared from Mouse Lung and Kidney. AAPS Journal, 2017, 19, 1855-1863.	4.4	17
86	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. Biochemical Pharmacology, 2019, 169, 113633.	4.4	17
87	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, 123-132.	4.0	16
88	The antifibrotic potential of a sustained release formulation of a PDGFβ-receptor targeted rho kinase inhibitor. Journal of Controlled Release, 2019, 296, 250-257.	9.9	16
89	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.	2.5	16
90	Predictive Value of Precision-Cut Kidney Slices as an Ex Vivo Screening Platform for Therapeutics in Human Renal Fibrosis. Pharmaceutics, 2020, 12, 459.	4.5	16

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91	A Potent Tartrate Resistant Acid Phosphatase Inhibitor to Study the Function of TRAP in Alveolar Macrophages. Scientific Reports, 2017, 7, 12570.	3.3	15
92	Osteoprotegerin Is more than a Possible Serum Marker in Liver Fibrosis: A Study into Its Function in Human and Murine Liver. Pharmaceutics, 2020, 12, 471.	4.5	15
93	The gastrointestinal microbiota in colorectal cancer cell migration and invasion. Clinical and Experimental Metastasis, 2021, 38, 495-510.	3.3	14
94	A Pathophysiological Model of Non-Alcoholic Fatty Liver Disease Using Precision-Cut Liver Slices. Nutrients, 2019, 11, 507.	4.1	13
95	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.	3.3	13
96	Regional Differences in Human Intestinal Drug Metabolism. Drug Metabolism and Disposition, 2018, 46, 1879-1885.	3.3	12
97	Investigating fibrosis and inflammation in an ex vivo NASH murine model. American Journal of Physiology - Renal Physiology, 2020, 318, G336-G351.	3.4	12
98	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.	2.7	12
99	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165582.	3.8	12
100	Host microbiota dictates the proinflammatory impact of LPS in the murine liver. Toxicology in Vitro, 2020, 67, 104920.	2.4	12
101	VALUE OF THE IN VITRO OR IN VIVO MONOETHYLGLYCINEXYLIDIDE TEST FOR PREDICTING LIVER GRAFT FUNCTION1. Transplantation, 1997, 64, 60-65.	1.0	12
102	The capability of isolated hepatocytes and liver slices of donor livers to predict graft function after liver transplantation. Liver International, 2000, 20, 374-380.	3.9	11
103	Altered tryptophan metabolism and CKD-associated fatigue. Kidney International, 2014, 86, 1061-1062.	5.2	11
104	In vitro and ex vivo anti-fibrotic effects of LY2109761, a small molecule inhibitor against TGF-β. Toxicology and Applied Pharmacology, 2018, 355, 127-137.	2.8	11
105	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.	4.2	11
106	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.	2.4	10
107	Macromolecular Crowding as a Tool to Screen Anti-fibrotic Drugs: The Scar-in-a-Jar System Revisited. Frontiers in Medicine, 2020, 7, 615774.	2.6	10
108	The Citrullinated and MMP-degraded Vimentin Biomarker (VICM) Predicts Early Response to Anti-TNFα Treatment in Crohn's Disease. Journal of Clinical Gastroenterology, 2021, 55, 59-66.	2.2	10

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109	The Effects of Butyrate on Induced Metabolic-Associated Fatty Liver Disease in Precision-Cut Liver Slices. Nutrients, 2021, 13, 4203.	4.1	10
110	Renal expression of Toll-like receptor 2 and 4: Dynamics in human allograft injury and comparison to rodents. Molecular Immunology, 2015, 64, 82-89.	2.2	9
111	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, 175628482095257.	3.2	9
112	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.	2.6	8
113	Rifampicin Induces Gene, Protein, and Activity of P-Glycoprotein (ABCB1) in Human Precision-Cut Intestinal Slices. Frontiers in Pharmacology, 2021, 12, 684156.	3.5	8
114	Exploring Porcine Precision-Cut Kidney Slices as a Model for Transplant-Related Ischemia-Reperfusion Injury. Transplantology, 2022, 3, 139-151.	0.6	8
115	Murine Precision-cut Intestinal Slices as a Potential Screening Tool for Antifibrotic Drugs. Inflammatory Bowel Diseases, 2020, 26, 678-686.	1.9	7
116	Shifting Paradigms for Suppressing Fibrosis in Kidney Transplants: Supplementing Perfusion Solutions With Anti-fibrotic Drugs. Frontiers in Medicine, 2021, 8, 806774.	2.6	6
117	Design of a Gene Panel to Expose the Versatile Role of Hepatic Stellate Cells in Human Liver Fibrosis. Pharmaceutics, 2020, 12, 278.	4.5	5
118	Local Inhibition of Indoleamine 2,3-Dioxygenase Mitigates Renal Fibrosis. Biomedicines, 2021, 9, 856.	3.2	5
119	Osteoprotegerin Expression in Liver is Induced by IL13 through TGFÎ <sup>2</sup> . Cellular Physiology and Biochemistry, 2022, 56, 28-38.	1.6	5
120	Extending the viability of human precision-cut intestinal slice model for drug metabolism studies. Archives of Toxicology, 2022, 96, 1815-1827.	4.2	5
121	Uptake of Taurocholic Acid in Human Hepatocytes Isolated From Livers of Donors of Different Age. Journal of Pediatric Gastroenterology and Nutrition, 1998, 27, 366-368.	1.8	4
122	Distinct responses between healthy and cirrhotic human livers upon lipopolysaccharide challenge: possible implications for acute-on-chronic liver failure. American Journal of Physiology - Renal Physiology, 2022, 323, G114-G125.	3.4	3
123	Ex Vivo Model in Cholestasis Research. Methods in Molecular Biology, 2019, 1981, 351-362.	0.9	2
124	Hepatic Steatosis Contributes to the Development of Muscle Atrophy via Inter-Organ Crosstalk. Frontiers in Endocrinology, 2021, 12, 733625.	3.5	2
125	Mouse precision-cut liver slices as an ex vivo model to study drug-induced cholestasis. Archives of Toxicology, 0, , .	4.2	2
126	Gene expression analysis of precision cut human liver slices indicate stable expression of ADME-Tox related genes. Toxicology Letters, 2010, 196, S215.	0.8	1

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127	Rat Precision-Cut Liver Slices as an In Vitro Model for the Early Onset of Liver Fibrosis to Test Anti-Fibrotic Drugs. Gastroenterology, 2011, 140, S-981.	1.3	1
128	Rat and human intestinal slices as a model for intestinal fibrosis in Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2011, 17, S76.	1.9	1
129	Survival and cellular heterogeneity of epithelium in cultured mouse and rat precision-cut intestinal slices. Toxicology in Vitro, 2020, 69, 104974.	2.4	1
130	Colorectal anastomotic leak: transcriptomic profile analysis. British Journal of Surgery, 2021, 108, 326-333.	0.3	1
131	Src kinase as a potential therapeutic target in nonâ€alcoholic and alcoholic steatohepatitis. Clinical and Translational Discovery, 2022, 2, .	0.5	1
132	EVIDENCE OF ALKALINE PHOSPHATASE mRNA INDUCTION BY LPS Shock, 2004, 21, 38.	2.1	0
133	MicA microarray analysis of hepatotoxicity in vivo and in vitro. Toxicology Letters, 2007, 172, S77.	0.8	0
134	The Authors Reply. Kidney International, 2015, 88, 637.	5.2	0