

Isabelle A Leclercq

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

8,510
citations

53751

45
h-index

46771

89
g-index

123
all docs

123
docs citations

123
times ranked

10940
citing authors

#	ARTICLE	IF	CITATIONS
1	CYP2E1 and CYP4A as microsomal catalysts of lipid peroxides in murine nonalcoholic steatohepatitis. <i>Journal of Clinical Investigation</i> , 2000, 105, 1067-1075.	3.9	654
2	Central role of PPAR α -dependent hepatic lipid turnover in dietary steatohepatitis in mice. <i>Hepatology</i> , 2003, 38, 123-132.	3.6	420
3	Leptin is essential for the hepatic fibrogenic response to chronic liver injury. <i>Journal of Hepatology</i> , 2002, 37, 206-213.	1.8	366
4	Administration of the potent PPAR α agonist, Wy-14,643, reverses nutritional fibrosis and steatohepatitis in mice. <i>Hepatology</i> , 2004, 39, 1286-1296.	3.6	343
5	Expression of miR-33 from an SREBP2 Intron Inhibits Cholesterol Export and Fatty Acid Oxidation*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33652-33661.	1.6	313
6	II. Cytochrome <i>P</i> -450 enzymes and oxidative stress. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 281, G1135-G1139.	1.6	305
7	Liver Progenitor Cells Yield Functional Hepatocytes in Response to Chronic Liver Injury in Mice. <i>Gastroenterology</i> , 2012, 143, 1564-1575.e7.	0.6	305
8	Insulin resistance in hepatocytes and sinusoidal liver cells: Mechanisms and consequences. <i>Journal of Hepatology</i> , 2007, 47, 142-156.	1.8	299
9	Experimental models of liver fibrosis. <i>Archives of Toxicology</i> , 2016, 90, 1025-1048.	1.9	243
10	Embryonic Ductal Plate Cells Give Rise to Cholangiocytes, Periportal Hepatocytes, and Adult Liver Progenitor Cells. <i>Gastroenterology</i> , 2011, 141, 1432-1438.e4.	0.6	235
11	Mouse Models of Nonalcoholic Steatohepatitis: Toward Optimization of Their Relevance to Human Nonalcoholic Steatohepatitis. <i>Hepatology</i> , 2019, 69, 2241-2257.	3.6	227
12	Lipid peroxidation, stellate cell activation and hepatic fibrogenesis in a rat model of chronic steatohepatitis. <i>Journal of Hepatology</i> , 2003, 39, 756-764.	1.8	215
13	Kupffer cell activation is a causal factor for hepatic insulin resistance. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G107-G116.	1.6	204
14	Curcumin inhibits NF- κ B activation and reduces the severity of experimental steatohepatitis in mice. <i>Journal of Hepatology</i> , 2004, 41, 926-934.	1.8	193
15	Hepatocellular carcinoma originates from hepatocytes and not from the progenitor/biliary compartment. <i>Journal of Clinical Investigation</i> , 2015, 125, 3891-3903.	3.9	175
16	COX-2 induction in mice with experimental nutritional steatohepatitis: Role as pro-inflammatory mediator. <i>Hepatology</i> , 2006, 43, 826-836.	3.6	154
17	Relation between liver progenitor cell expansion and extracellular matrix deposition in a CDE-induced murine model of chronic liver injury. <i>Hepatology</i> , 2009, 49, 1625-1635.	3.6	143
18	Early Detection of Steatohepatitis in Fatty Rat Liver by Using MR Elastography. <i>Radiology</i> , 2009, 253, 90-97.	3.6	134

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19	Animal models for the study of hepatic fibrosis. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2011, 25, 319-333.	1.0	134
20	Nuclear factor-kappa B is constitutively activated in peritoneal endometriosis. <i>Molecular Human Reproduction</i> , 2007, 13, 503-509.	1.3	132
21	Animal Models for Fibrotic Liver Diseases: What We Have, What We Need, and What Is under Development. <i>Journal of Clinical and Translational Hepatology</i> , 2015, 3, 53-66.	0.7	130
22	Oxidative stress, KLF6 and transforming growth factor- β^2 up-regulation differentiate non-alcoholic steatohepatitis progressing to fibrosis from uncomplicated steatosis in rats. <i>Journal of Hepatology</i> , 2003, 39, 538-546.	1.8	129
23	Low-dose TNF- α protects against hepatic ischemia-reperfusion injury in mice: Implications for preconditioning. <i>Hepatology</i> , 2003, 37, 118-128.	3.6	106
24	Altered Expression of Hepatic CYP2E1 and CYP4A in Obese, Diabetic ob/ob Mice, and fa/fa Zucker Rats. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 300-306.	1.0	105
25	Kupffer cell depletion prevents but has no therapeutic effect on metabolic and inflammatory changes induced by a high-fat diet. <i>FASEB Journal</i> , 2011, 25, 4301-4311.	0.2	101
26	Leptin-specific mechanisms for impaired liver regeneration in ob/ob mice after toxic injury. <i>Gastroenterology</i> , 2003, 124, 1451-1464.	0.6	99
27	The new generation pan- α -peroxisome proliferator-activated receptor agonist IVA337 protects the liver from metabolic disorders and fibrosis. <i>Hepatology Communications</i> , 2017, 1, 524-537.	2.0	97
28	Intrahepatic insulin resistance in a murine model of steatohepatitis: effect of PPAR γ^3 agonist pioglitazone. <i>Laboratory Investigation</i> , 2007, 87, 56-65.	1.7	86
29	Intestinal permeability, microbial translocation, changes in duodenal and fecal microbiota, and their associations with alcoholic liver disease progression in humans. <i>Gut Microbes</i> , 2020, 12, 1782157.	4.3	83
30	Hepatic n-3 Polyunsaturated Fatty Acid Depletion Promotes Steatosis and Insulin Resistance in Mice: Genomic Analysis of Cellular Targets. <i>PLoS ONE</i> , 2011, 6, e23365.	1.1	83
31	Inhibition of chlorzoxazone metabolism, a clinical probe for CYP2E1, by a single ingestion of watercress*. <i>Clinical Pharmacology and Therapeutics</i> , 1998, 64, 144-149.	2.3	76
32	Role of vascular endothelial growth factor in the pathophysiology of nonalcoholic steatohepatitis in two rodent models. <i>Hepatology</i> , 2013, 57, 1793-1805.	3.6	74
33	Brown adipose tissue: a potential target in the fight against obesity and the metabolic syndrome. <i>Clinical Science</i> , 2015, 129, 933-949.	1.8	74
34	Muscle fat content is strongly associated with NASH: A longitudinal study in patients with morbid obesity. <i>Journal of Hepatology</i> , 2021, 75, 292-301.	1.8	68
35	Constitutive and Inducible Expression of Hepatic CYP2E1 in Leptin-deficient ob/ob Mice. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 337-344.	1.0	66
36	Central Apelin Controls Glucose Homeostasis via a Nitric Oxide-Dependent Pathway in Mice. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1477-1496.	2.5	66

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37	Kupffer Cells Influence Parenchymal Invasion and Phenotypic Orientation, but Not the Proliferation, of Liver Progenitor Cells in a Murine Model of Liver Injury. <i>American Journal of Pathology</i> , 2011, 179, 1839-1850.	1.9	62
38	Reactive cholangiocytes differentiate into proliferative hepatocytes with efficient DNA repair in mice with chronic liver injury. <i>Journal of Hepatology</i> , 2019, 70, 1180-1191.	1.8	61
39	Pro-oxidant-mediated hepatic fibrosis and effects of antioxidant intervention in murine dietary steatohepatitis. <i>International Journal of Molecular Medicine</i> , 2009, 24, 171-80.	1.8	59
40	Reduction in hepatic cytochrome P-450 is correlated to the degree of liver fat content in animal models of steatosis in the absence of inflammation. <i>Journal of Hepatology</i> , 1998, 28, 410-416.	1.8	58
41	Adipose tissues as endocrine target organs. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2014, 28, 545-558.	1.0	58
42	ADAM metalloproteinase with thrombospondin type 1 motif 2 inactivation reduces the extent and stability of carbon tetrachloride-induced hepatic fibrosis in mice. <i>Hepatology</i> , 2007, 46, 1620-1631.	3.6	56
43	Successful isolation of liver progenitor cells by aldehyde dehydrogenase activity in naïve mice. <i>Hepatology</i> , 2012, 55, 540-552.	3.6	53
44	Emerging awareness on the importance of skeletal muscle in liver diseases: time to dig deeper into mechanisms!. <i>Clinical Science</i> , 2019, 133, 465-481.	1.8	51
45	Sinusoidal obstruction syndrome (SOS) related to chemotherapy for colorectal liver metastases: factors predictive of severe SOS lesions and protective effect of bevacizumab. <i>Hpb</i> , 2013, 15, 858-864.	0.1	50
46	Defective hepatic regeneration after partial hepatectomy in leptin-deficient mice is not rescued by exogenous leptin. <i>Laboratory Investigation</i> , 2006, 86, 1161-1171.	1.7	44
47	NADPH oxidase is not an essential mediator of oxidative stress or liver injury in murine MCD diet-induced steatohepatitis. <i>Journal of Hepatology</i> , 2007, 46, 304-313.	1.8	44
48	The metabolic syndrome: how it may influence hepatic stellate cell activation and hepatic fibrosis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2009, 12, 404-411.	1.3	43
49	The IGF2 mRNA binding protein p62/IGF2BP2-2 induces fatty acid elongation as a critical feature of steatosis. <i>Journal of Lipid Research</i> , 2014, 55, 1087-1097.	2.0	42
50	Obeticholic acid improves adipose morphometry and inflammation and reduces steatosis in dietary but not metabolic obesity in mice. <i>Obesity</i> , 2017, 25, 155-165.	1.5	40
51	Myosteatosis rather than sarcopenia associates with non-alcoholic steatohepatitis in non-alcoholic fatty liver disease preclinical models. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 144-158.	2.9	38
52	Aging enhances liver fibrotic response in mice through hampering extracellular matrix remodeling. <i>Aging</i> , 2016, 9, 98-113.	1.4	36
53	Automated computerized image analysis for the user-independent evaluation of disease severity in preclinical models of NAFLD/NASH. <i>Laboratory Investigation</i> , 2020, 100, 147-160.	1.7	35
54	Prevention of steatohepatitis by pioglitazone: Implication of adiponectin-dependent inhibition of SREBP-1c and inflammation. <i>Journal of Hepatology</i> , 2009, 50, 489-500.	1.8	34

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55	Mouse models of non-alcoholic steatohepatitis: A reflection on recent literature. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2018, 33, 1312-1320.	1.4	34
56	TAT-Gap19 and Carbenoxolone Alleviate Liver Fibrosis in Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 817.	1.8	34
57	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mice. <i>Scientific Reports</i> , 2017, 7, 8268.	1.6	33
58	Digital Image Analysis of Picrosirius Red Staining: A Robust Method for Multi-Organ Fibrosis Quantification and Characterization. <i>Biomolecules</i> , 2020, 10, 1585.	1.8	33
59	Defective adaptive thermogenesis contributes to metabolic syndrome and liver steatosis in obese mice. <i>Clinical Science</i> , 2017, 131, 285-296.	1.8	32
60	Antioxidant defence mechanisms: new players in the pathogenesis of non-alcoholic steatohepatitis?. <i>Clinical Science</i> , 2004, 106, 235-237.	1.8	31
61	The compensatory hyperplasia (liver regeneration) following ligation of a portal branch is initiated before the atrophy of the deprived lobes. <i>Journal of Hepatology</i> , 2000, 32, 940-945.	1.8	29
62	Estimation of chlorzoxazone hydroxylase activity in liver microsomes and of the plasma pharmacokinetics of chlorzoxazone by the same high-performance liquid chromatographic method. <i>Journal of Chromatography A</i> , 1998, 828, 291-296.	1.8	28
63	Nonalcoholic fatty liver disease: the potential role of nutritional management. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008, 11, 766-773.	1.3	28
64	NF- κ B, cytokines, TLR 3 and 7 expression in human end-stage HCV and alcoholic liver disease. <i>European Journal of Clinical Investigation</i> , 2010, 40, 575-584.	1.7	28
65	Bile acids contribute to the development of non-alcoholic steatohepatitis in mice. <i>JHEP Reports</i> , 2022, 4, 100387.	2.6	28
66	<i>Kras</i> and <i>Lkb1</i> mutations synergistically induce intraductal papillary mucinous neoplasm derived from pancreatic duct cells. <i>Gut</i> , 2020, 69, 704-714.	6.1	27
67	Deficient Stat3 DNA-binding is associated with high Pias3 expression and a positive anti-apoptotic balance in human end-stage alcoholic and hepatitis C cirrhosis. <i>Journal of Hepatology</i> , 2005, 43, 687-695.	1.8	26
68	Peroxisome proliferated-activated receptor gamma ligand, Pioglitazone, does not prevent hepatic fibrosis in mice. <i>International Journal of Molecular Medicine</i> , 2007, 19, 105-12.	1.8	26
69	Macrophage Depletion Attenuates Extracellular Matrix Deposition and Ductular Reaction in a Mouse Model of Chronic Cholangiopathies. <i>PLoS ONE</i> , 2016, 11, e0162286.	1.1	25
70	Deficient IL-6/Stat3 Signaling, High TLR7, and Type I Interferons in Early Human Alcoholic Liver Disease: A Triad for Liver Damage and Fibrosis. <i>Hepatology Communications</i> , 2019, 3, 867-882.	2.0	24
71	Inflammation-induced cholestasis in cancer cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 70-90.	2.9	24
72	Yin Yang 1 and farnesoid X receptor: a balancing act in non-alcoholic fatty liver disease?. <i>Gut</i> , 2014, 63, 1-2.	6.1	22

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73	Activation of brown adipose tissue enhances the efficacy of caloric restriction for treatment of nonalcoholic steatohepatitis. <i>Laboratory Investigation</i> , 2019, 99, 4-16.	1.7	22
74	Endoplasmic reticulum stress does not contribute to steatohepatitis in obese and insulin-resistant high-fat-diet-fed <i>foz/foz</i> mice. <i>Clinical Science</i> , 2014, 127, 507-518.	1.8	21
75	Chronic liver injury promotes hepatocarcinoma cell seeding and growth, associated with infiltration by macrophages. <i>Cancer Science</i> , 2018, 109, 2141-2152.	1.7	21
76	Efficacy of lanreotide in preventing the occurrence of chemically induced hepatocellular carcinoma in rats. <i>Chemico-Biological Interactions</i> , 2010, 183, 238-248.	1.7	20
77	Liver Regeneration: Different Sub-Populations of Parenchymal Cells at Play Choreographed by an Injury-Specific Microenvironment. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4115.	1.8	20
78	Critical Role of LSEC in Post-Hepatectomy Liver Regeneration and Failure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8053.	1.8	20
79	Hepatic Stellate Cells Improve Engraftment of Human Primary Hepatocytes: A Preclinical Transplantation Study in an Animal Model. <i>Cell Transplantation</i> , 2015, 24, 2557-2571.	1.2	19
80	Invasive Ductular Reaction Operates Hepatobiliary Junctions upon Hepatocellular Injury in Rodents and Humans. <i>American Journal of Pathology</i> , 2019, 189, 1569-1581.	1.9	19
81	Role of signal transducer and activator of transcription 3 in liver fibrosis progression in chronic hepatitis C-infected patients. <i>Laboratory Investigation</i> , 2007, 87, 173-181.	1.7	18
82	Next generation of ALDH substrates and their potential to study maturational lineage biology in stem and progenitor cells. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G573-G578.	1.6	17
83	Hepatic NAPE-PLD Is a Key Regulator of Liver Lipid Metabolism. <i>Cells</i> , 2020, 9, 1247.	1.8	17
84	Notch-IGF1 signaling during liver regeneration drives biliary epithelial cell expansion and inhibits hepatocyte differentiation. <i>Science Signaling</i> , 2021, 14, .	1.6	17
85	Dietary restriction of energy and sugar results in a reduction in human cytochrome P450 2E1 activity. <i>British Journal of Nutrition</i> , 1999, 82, 257-262.	1.2	16
86	Participation of liver progenitor cells in liver regeneration: lack of evidence in the AAF/PH rat model. <i>Laboratory Investigation</i> , 2012, 92, 72-81.	1.7	15
87	Hypoxia protects the liver from Small For Size Syndrome: A lesson learned from the associated liver partition and portal vein ligation for staged hepatectomy (ALPPS) procedure in rats. <i>American Journal of Transplantation</i> , 2019, 19, 2979-2990.	2.6	14
88	New insights in acetaminophen toxicity: HMGB1 contributes by itself to amplify hepatocyte necrosis in vitro through the TLR4-TRIF-RIPK3 axis. <i>Scientific Reports</i> , 2020, 10, 5557.	1.6	14
89	Liver regeneration in obese mice with fatty livers: Does the impairment have relevance for other types of fatty liver disease?. <i>Hepatology</i> , 2002, 35, 731-731.	3.6	12
90	Inhibition of early preneoplastic events in the rat liver by the somatostatin analog lanreotide. <i>Cancer Science</i> , 2007, 98, 1831-1839.	1.7	12

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91	Impact of PPAR- α induction on glucose homeostasis in alcohol-fed mice. <i>Clinical Science</i> , 2013, 125, 501-511.	1.8	12
92	IGF2 mRNA Binding Protein 2 Transgenic Mice Are More Prone to Develop a Ductular Reaction and to Progress Toward Cirrhosis. <i>Frontiers in Medicine</i> , 2019, 6, 179.	1.2	12
93	Comparison of the Opn-CreER and Ck19-CreER Drivers in Bile Ducts of Normal and Injured Mouse Livers. <i>Cells</i> , 2019, 8, 380.	1.8	12
94	Disrupted NF- κ B activation after partial hepatectomy does not impair hepatocyte proliferation in rats. <i>World Journal of Gastroenterology</i> , 2005, 11, 7345.	1.4	10
95	Host Factors in Dysregulation of the Gut Barrier Function during Alcohol-Associated Liver Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12687.	1.8	10
96	Clodronate liposomes: All sites of injection are not equal. <i>Hepatology</i> , 2010, 51, 721-722.	3.6	9
97	Prometheus™ little helper, a novel role for fibroblast growth factor 15 in compensatory liver growth. <i>Journal of Hepatology</i> , 2013, 59, 1121-1123.	1.8	9
98	Blunted DNA synthesis and delayed S-phase entry following inhibition of Cdk2 activity in the regenerating rat liver. <i>Laboratory Investigation</i> , 2005, 85, 562-571.	1.7	8
99	Liver and systemic insulin resistance. <i>Hepatology</i> , 2014, 60, 1113-1114.	3.6	8
100	Enterohepatic Takeda G-Protein Coupled Receptor 5 Agonism in Metabolic Dysfunction-Associated Fatty Liver Disease and Related Glucose Dysmetabolism. <i>Nutrients</i> , 2022, 14, 2707.	1.7	8
101	Fetuin-A in Activated Liver Macrophages Is a Key Feature of Non-Alcoholic Steatohepatitis. <i>Metabolites</i> , 2022, 12, 625.	1.3	8
102	Ras inhibition in hepatocarcinoma by <i>S-trans-farnesylthiosalicylic acid</i> : Association of its tumor preventive effect with cell proliferation, cell cycle events, and angiogenesis. <i>Molecular Carcinogenesis</i> , 2012, 51, 816-825.	1.3	7
103	Upstream regulators of hepatic Wnt/ β -catenin activity control liver metabolic zonation, development, and regeneration. <i>Hepatology</i> , 2016, 64, 1361-1363.	3.6	7
104	Colonic acetate in obesity: location matters!. <i>Clinical Science</i> , 2016, 130, 2083-2086.	1.8	7
105	Insights into tissue microstructure using a double diffusion encoding sequence on a clinical scanner: Validation and application to experimental tumor models. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1263-1276.	1.9	7
106	Tumoral response and tumoral phenotypic changes in a rat model of diethylnitrosamine-induced hepatocellular carcinoma after salirasib and sorafenib administration. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 7143-7153.	1.0	6
107	Associating liver partition and portal vein ligation for staged hepatectomy: establishment of an animal model with insufficient liver remnant. <i>Laboratory Investigation</i> , 2019, 99, 698-707.	1.7	6
108	Pathogenesis of steatohepatitis: insights from the study of animal models. <i>Acta Gastro-Enterologica Belgica</i> , 2007, 70, 25-31.	0.4	6

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109	Hepatic endoplasmic reticulum stress in obesity: Deeper insights into processes, but are they relevant to nonalcoholic steatohepatitis?. <i>Hepatology</i> , 2011, 54, 2261-2266.	3.6	5
110	Selective HIF stabilization alleviates hepatocellular steatosis and ballooning in a rodent model of 70% liver resection. <i>Clinical Science</i> , 2021, 135, 2285-2305.	1.8	5
111	Relevance of the CDE and DDC Mouse Models to Study Ductular Reaction in Chronic Human Liver Diseases. , 0, , .		4
112	Bile Acid Dysregulation Is Intrinsicly Related to Cachexia in Tumor-Bearing Mice. <i>Cancers</i> , 2021, 13, 6389.	1.7	4
113	Reply. <i>Gastroenterology</i> , 2013, 145, 255-256.	0.6	3
114	Does haemophilia slow down the development of liver fibrosis?. <i>Haemophilia</i> , 2019, 25, e32-e35.	1.0	3
115	HÃ©patopathie non alcoolique: de la stÃ©atose Ã la cirrhose. <i>Acta Endoscopica</i> , 2006, 36, 299-314.	0.0	1
116	Adiponectin in nonÃ© alcoholic steatohepatitis: An ideal culprit, but what are the proofs of its guilt?. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2009, 24, 1584-1586.	1.4	1
117	ProÃ©oxidants or antiÃ©oxidant defenses? Which one to blame in nonÃ© alcoholic steatohepatitis pathogenesis?. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2012, 27, 1651-1653.	1.4	1
118	Double Diffusion Encoding for Probing RadiationÃ©Induced Microstructural Changes in a Tumor Model: A ProofÃ©ofÃ©Concept Study With Comparison to the Apparent Diffusion Coefficient and Histology. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 941-951.	1.9	1
119	Rationale of adding muscle volume to muscle fat infiltration in the definition of an adverse muscle composition is unclear. <i>JHEP Reports</i> , 2021, 3, 100235.	2.6	1
120	Enhanced choline metabolism in a rodent rhabdomyosarcoma model: correlation between RT-PCR and translational 3 T H-MRS. <i>Magnetic Resonance Imaging</i> , 2012, 30, 1010-1016.	1.0	0
121	Defective gut adaptive immunity during early alcoholic liver disease. <i>Journal of Hepatology</i> , 2020, 73, S185-S186.	1.8	0
122	Alterations in bile acids and TGR5 activation in non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2020, 73, S94.	1.8	0