

Verena Keitel

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123
papers

5,868
citations

40
h-index

75
g-index

141
ext. papers

7,063
ext. citations

6.7
avg, IF

5.52
L-index

#	Paper	IF	Citations
123	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
122	Expression and function of the bile acid receptor TGR5 in Kupffer cells. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 372, 78-84	3.4	302
121	The G-protein coupled bile salt receptor TGR5 is expressed in liver sinusoidal endothelial cells. <i>Hepatology</i> , 2007 , 45, 695-704	11.2	242
120	The membrane-bound bile acid receptor TGR5 is localized in the epithelium of human gallbladders. <i>Hepatology</i> , 2009 , 50, 861-70	11.2	202
119	Expression and localization of hepatobiliary transport proteins in progressive familial intrahepatic cholestasis. <i>Hepatology</i> , 2005 , 41, 1160-72	11.2	188
118	CD133+ hepatic stellate cells are progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 352, 410-7	3.4	187
117	The bile acid receptor TGR5 (Gpbar-1) acts as a neurosteroid receptor in brain. <i>Glia</i> , 2010 , 58, 1794-805	9	161
116	Combined mutations of canalicular transporter proteins cause severe intrahepatic cholestasis of pregnancy. <i>Gastroenterology</i> , 2006 , 131, 624-9	13.3	137
115	Bile salt-induced apoptosis involves NADPH oxidase isoform activation. <i>Gastroenterology</i> , 2005 , 129, 2009-31	13.3	132
114	Impaired protein maturation of the conjugate export pump multidrug resistance protein 2 as a consequence of a deletion mutation in Dubin-Johnson syndrome. <i>Hepatology</i> , 2000 , 32, 1317-28	11.2	116
113	TGR5 is essential for bile acid-dependent cholangiocyte proliferation in vivo and in vitro. <i>Gut</i> , 2016 , 65, 487-501	19.2	111
112	Conjugated bilirubin triggers anemia by inducing erythrocyte death. <i>Hepatology</i> , 2015 , 61, 275-84	11.2	109
111	Microglia activation in hepatic encephalopathy in rats and humans. <i>Hepatology</i> , 2011 , 54, 204-15	11.2	105
110	Ammonia induces RNA oxidation in cultured astrocytes and brain in vivo. <i>Hepatology</i> , 2008 , 48, 567-79	11.2	105
109	De novo bile salt transporter antibodies as a possible cause of recurrent graft failure after liver transplantation: a novel mechanism of cholestasis. <i>Hepatology</i> , 2009 , 50, 510-7	11.2	104
108	Kupffer Cell-Derived Tnf Triggers Cholangiocellular Tumorigenesis through JNK due to Chronic Mitochondrial Dysfunction and ROS. <i>Cancer Cell</i> , 2017 , 31, 771-789.e6	24.3	98
107	Characterization of animal models for primary sclerosing cholangitis (PSC). <i>Journal of Hepatology</i> , 2014 , 60, 1290-303	13.4	96

106	A common Dubin-Johnson syndrome mutation impairs protein maturation and transport activity of MRP2 (ABCC2). <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 284, G165-74	5.1	93
105	Endocrine and paracrine role of bile acids. <i>World Journal of Gastroenterology</i> , 2008 , 14, 5620-9	5.6	93
104	The membrane-bound bile acid receptor TGR5 (Gpbar-1) is localized in the primary cilium of cholangiocytes. <i>Biological Chemistry</i> , 2010 , 391, 785-9	4.5	91
103	Mutational characterization of the bile acid receptor TGR5 in primary sclerosing cholangitis. <i>PLoS ONE</i> , 2010 , 5, e12403	3.7	90
102	A mutation in the canalicular phospholipid transporter gene, ABCB4, is associated with cholestasis, ductopenia, and cirrhosis in adults. <i>Hepatology</i> , 2008 , 48, 1157-66	11.2	88
101	Perspective: TGR5 (Gpbar-1) in liver physiology and disease. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2012 , 36, 412-9	2.4	86
100	Bile acids PKA-dependently induce a switch of the IL-10/IL-12 ratio and reduce proinflammatory capability of human macrophages. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 1253-64	6.5	86
99	Bile acid-induced arrhythmia is mediated by muscarinic M2 receptors in neonatal rat cardiomyocytes. <i>PLoS ONE</i> , 2010 , 5, e9689	3.7	82
98	The secondary structure of the TGR5 membrane-proximal C-terminus determines plasma membrane localization and responsiveness towards extracellular ligands. <i>European Journal of Medical Research</i> , 2014 , 19, S14	4.8	78
97	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. <i>Genome Medicine</i> , 2021 , 13, 7	14.4	73
96	Benign recurrent intrahepatic cholestasis associated with mutations of the bile salt export pump. <i>Journal of Clinical Gastroenterology</i> , 2006 , 40, 171-5	3	69
95	Sequencing of FIC1, BSEP and MDR3 in a large cohort of patients with cholestasis revealed a high number of different genetic variants. <i>Journal of Hepatology</i> , 2017 , 67, 1253-1264	13.4	68
94	Monoterpene (-)-citronellal affects hepatocarcinoma cell signaling via an olfactory receptor. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 566, 100-9	4.1	64
93	Bile acid receptors in the biliary tree: TGR5 in physiology and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 1319-1325	6.9	63
92	Hypoosmotic swelling affects zinc homeostasis in cultured rat astrocytes. <i>Glia</i> , 2009 , 57, 79-92	9	57
91	Inflammatory cytokines induce protein tyrosine nitration in rat astrocytes. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 449, 104-14	4.1	52
90	Ammonia triggers exocytotic release of L-glutamate from cultured rat astrocytes. <i>Glia</i> , 2010 , 58, 691-705	5	47
89	Bile Microinfarcts in Cholestasis Are Initiated by Rupture of the Apical Hepatocyte Membrane and Cause Shunting of Bile to Sinusoidal Blood. <i>Hepatology</i> , 2019 , 69, 666-683	11.2	46

88	Soluble Urokinase Receptor (SuPAR) in COVID-19-Related AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 2725-2735	12.7	45
87	Bile Acid-Activated Receptors: GPBAR1 (TGR5) and Other G Protein-Coupled Receptors. <i>Handbook of Experimental Pharmacology</i> , 2019 , 256, 19-49	3.2	44
86	Activation of NF-kappaB by IL-1beta blocks IL-6-induced sustained STAT3 activation and STAT3-dependent gene expression of the human gamma-fibrinogen gene. <i>Cellular Signalling</i> , 2007 , 19, 1866-78	4.9	44
85	TGR5 in the biliary tree. <i>Digestive Diseases</i> , 2011 , 29, 45-7	3.2	42
84	Autoimmune BSEP disease: disease recurrence after liver transplantation for progressive familial intrahepatic cholestasis. <i>Clinical Reviews in Allergy and Immunology</i> , 2015 , 48, 273-84	12.3	41
83	Precipitants of hepatic encephalopathy induce rapid astrocyte swelling in an oxidative stress dependent manner. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 536, 143-51	4.1	39
82	Remote ischemic preconditioning preserves Connexin 43 phosphorylation in the rat heart in vivo. <i>Journal of Translational Medicine</i> , 2014 , 12, 228	8.5	36
81	TGR5 in cholangiocytes. <i>Current Opinion in Gastroenterology</i> , 2013 , 29, 299-304	3	35
80	Targeting FXR in Cholestasis. <i>Handbook of Experimental Pharmacology</i> , 2019 , 256, 299-324	3.2	34
79	TGR5: pathogenetic role and/or therapeutic target in fibrosing cholangitis?. <i>Clinical Reviews in Allergy and Immunology</i> , 2015 , 48, 218-25	12.3	34
78	Bile salt export pump-reactive antibodies form a polyclonal, multi-inhibitory response in antibody-induced bile salt export pump deficiency. <i>Hepatology</i> , 2016 , 63, 524-37	11.2	34
77	Locomotor impairment and cerebrocortical oxidative stress in portal vein ligated rats in vivo. <i>Journal of Hepatology</i> , 2011 , 54, 251-7	13.4	33
76	Role of TGR5 (GPBAR1) in Liver Disease. <i>Seminars in Liver Disease</i> , 2018 , 38, 333-339	7.3	33
75	Ammonia increases nitric oxide, free Zn(2+), and metallothionein mRNA expression in cultured rat astrocytes. <i>Biological Chemistry</i> , 2011 , 392, 1155-65	4.5	32
74	Genetic structure of SARS-CoV-2 reflects clonal superspreading and multiple independent introduction events, North-Rhine Westphalia, Germany, February and March 2020. <i>Eurosurveillance</i> , 2020 , 25,	19.8	32
73	Early IFN- β signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. <i>Immunity</i> , 2021 , 54, 2650-2669.e14	32.3	31
72	Role of the G Protein-Coupled Bile Acid Receptor TGR5 in Liver Damage. <i>Digestive Diseases</i> , 2017 , 35, 235-240	3.2	30
71	Degradation of the sodium taurocholate cotransporting polypeptide (NTCP) by the ubiquitin-proteasome system. <i>Biological Chemistry</i> , 2005 , 386, 1065-74	4.5	28

70	Sensitivity of anti-SARS-CoV-2 serological assays in a high-prevalence setting. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021 , 40, 1063-1071	5.3	28
69	Short-term feedback regulation of bile salt uptake by bile salts in rodent liver. <i>Hepatology</i> , 2012 , 56, 2387-97	11.2	27
68	Protein kinase C induces endocytosis of the sodium taurocholate cotransporting polypeptide. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G320-8	5.1	27
67	Bile Acid G Protein-Coupled Membrane Receptor TGR5 Modulates Aquaporin 2-Mediated Water Homeostasis. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 2658-2670	12.7	27
66	TGR5 sequence variation in primary sclerosing cholangitis. <i>Digestive Diseases</i> , 2011 , 29, 78-84	3.2	25
65	CD95 tyrosine phosphorylation is required for CD95 oligomerization. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 719-29	5.4	25
64	Emergence of the E484K mutation in SARS-COV-2-infected immunocompromised patients treated with bamlanivimab in Germany. <i>Lancet Regional Health - Europe, The</i> , 2021 , 8, 100164		24
63	The G Protein-Coupled Bile Acid Receptor TGR5 (Gpbar1) Modulates Endothelin-1 Signaling in Liver. <i>Cells</i> , 2019 , 8,	7.9	23
62	Mutational mapping of the transmembrane binding site of the G-protein coupled receptor TGR5 and binding mode prediction of TGR5 agonists. <i>European Journal of Medicinal Chemistry</i> , 2015 , 104, 57-72	6.8	22
61	Ammonia Attenuates LPS-Induced Upregulation of Pro-Inflammatory Cytokine mRNA in Co-Cultured Astrocytes and Microglia. <i>Neurochemical Research</i> , 2017 , 42, 737-749	4.6	22
60	Molecular Mechanisms of Glutamine Synthetase Mutations that Lead to Clinically Relevant Pathologies. <i>PLoS Computational Biology</i> , 2016 , 12, e1004693	5	20
59	Amplification of CD95 activation by caspase 8-induced endosomal acidification in rat hepatocytes. <i>Journal of Biological Chemistry</i> , 2008 , 283, 2211-22	5.4	19
58	The Epidermal Growth Factor Receptor Ligand Amphiregulin Protects From Cholestatic Liver Injury and Regulates Bile Acids Synthesis. <i>Hepatology</i> , 2019 , 69, 1632-1647	11.2	19
57	Role of macrophages in bile acid-induced inflammatory response of fetal lung during maternal cholestasis. <i>Journal of Molecular Medicine</i> , 2014 , 92, 359-72	5.5	18
56	Inborn errors of biliary canalicular transport systems. <i>Methods in Enzymology</i> , 2005 , 400, 558-69	1.7	18
55	Structural assemblies of the di- and oligomeric G-protein coupled receptor TGR5 in live cells: an MFIS-FRET and integrative modelling study. <i>Scientific Reports</i> , 2016 , 6, 36792	4.9	17
54	iRhom2 inhibits bile duct obstruction-induced liver fibrosis. <i>Science Signaling</i> , 2019 , 12,	8.8	13
53	A membrane-proximal, C-terminal helix is required for plasma membrane localization and function of the G Protein-coupled receptor (GPCR) TGR5. <i>Journal of Biological Chemistry</i> , 2014 , 289, 3689-702	5.4	13

52	Diagnosis and management of secondary causes of steatohepatitis. <i>Journal of Hepatology</i> , 2021 , 74, 1455-1471	13.4	13
51	B Cell-Mediated Maintenance of Cluster of Differentiation 169-Positive Cells Is Critical for Liver Regeneration. <i>Hepatology</i> , 2018 , 68, 2348-2361	11.2	11
50	Heterologous overexpression and mutagenesis of the human bile salt export pump (ABCB11) using DREAM (Directed REcombination-Assisted Mutagenesis). <i>PLoS ONE</i> , 2011 , 6, e20562	3.7	11
49	Analysis of the Bile Salt Export Pump (ABCB11) Interactome Employing Complementary Approaches. <i>PLoS ONE</i> , 2016 , 11, e0159778	3.7	11
48	Allogeneic haematopoietic stem cell transplantation eliminates alloreactive inhibitory antibodies after liver transplantation for bile salt export pump deficiency. <i>Journal of Hepatology</i> , 2018 , 69, 961-965	13.4	11
47	Downregulation of TGR5 (GPBAR1) in biliary epithelial cells contributes to the pathogenesis of sclerosing cholangitis. <i>Journal of Hepatology</i> , 2021 , 75, 634-646	13.4	11
46	Nuclear Translocation of RELB Is Increased in Diseased Human Liver and Promotes Ductular Reaction and Biliary Fibrosis in Mice. <i>Gastroenterology</i> , 2019 , 156, 1190-1205.e14	13.3	10
45	Defective Platelet Activation and Bleeding Complications upon Cholestasis in Mice. <i>Cellular Physiology and Biochemistry</i> , 2017 , 41, 2133-2149	3.9	10
44	Farnesoid X Receptor in Mice Prevents Severe Liver Immunopathology During Lymphocytic Choriomeningitis Virus Infection. <i>Cellular Physiology and Biochemistry</i> , 2017 , 41, 323-338	3.9	10
43	Multidrug resistance-associated protein 4 expression in ammonia-treated cultured rat astrocytes and cerebral cortex of cirrhotic patients with hepatic encephalopathy. <i>Glia</i> , 2015 , 63, 2092-2105	9	10
42	Expression and localization of atypical PKC isoforms in liver parenchymal cells. <i>Biological Chemistry</i> , 2009 , 390, 235-44	4.5	10
41	Modulation of gene expression profiles by hyperosmolarity and insulin. <i>Cellular Physiology and Biochemistry</i> , 2007 , 20, 369-86	3.9	10
40	Sensitivity of commercial Anti-SARS-CoV-2 serological assays in a high-prevalence setting		10
39	Dose-optimised chest computed tomography for diagnosis of Coronavirus Disease 2019 (COVID-19) - Evaluation of image quality and diagnostic impact. <i>Journal of Radiological Protection</i> , 2020 , 40, 877-891	1.2	8
38	Hepatitis C Virus Activates a Neuregulin-Driven Circuit to Modify Surface Expression of Growth Factor Receptors of the ErbB Family. <i>PLoS ONE</i> , 2016 , 11, e0148711	3.7	8
37	Hepatobiliary Transport in Health and Disease 2012 ,		8
36	Post-transplant Recurrent Bile Salt Export Pump Disease: A Form of Antibody-mediated Graft Dysfunction and Utilization of C4d. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017 , 65, 364-369	2.8	7
35	Cooperative role of lymphotoxin α receptor and tumor necrosis factor receptor p55 in murine liver regeneration. <i>Journal of Hepatology</i> , 2016 , 64, 1108-1117	13.4	7

34	Bile-Based Cell-Free DNA Analysis Is a Reliable Diagnostic Tool in Pancreatobiliary Cancer. <i>Cancers</i> , 2020 , 13,	6.6	6
33	Alloimmunity and Cholestasis After Liver Transplantation in Children With Progressive Familial Intrahepatic Cholestasis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019 , 68, 169-174	2.8	6
32	Fragile X mental retardation protein protects against tumour necrosis factor-mediated cell death and liver injury. <i>Gut</i> , 2020 , 69, 133-145	19.2	6
31	An elevated FIB-4 score predicts liver cancer development: A longitudinal analysis from 29,999 patients with NAFLD. <i>Journal of Hepatology</i> , 2021 ,	13.4	6
30	On the Mechanisms of Biliary Flux. <i>Hepatology</i> , 2021 , 74, 3497-3512	11.2	6
29	IL-17A/F enable cholangiocytes to restrict T cell-driven experimental cholangitis by upregulating PD-L1 expression. <i>Journal of Hepatology</i> , 2021 , 74, 919-930	13.4	5
28	Delayed skin reaction after mRNA-1273 vaccine against SARS-CoV-2: a rare clinical reaction. <i>European Journal of Medical Research</i> , 2021 , 26, 98	4.8	5
27	Cholestasis induced liver pathology results in dysfunctional immune responses after arenavirus infection. <i>Scientific Reports</i> , 2018 , 8, 12179	4.9	4
26	Incidental F-FDG uptake in the colon: value of contrast-enhanced CT correlation with colonoscopic findings. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 778-786	8.8	4
25	JNK signaling prevents biliary cyst formation through a CASPASE-8-dependent function of RIPK1 during aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
24	A rare cause of a cholestatic jaundice in a North African teenager. <i>Liver International</i> , 2019 , 39, 2036-2041.	4.9	3
23	Inflammation, Hyperglycemia, and Adverse Outcomes in Individuals With Diabetes Mellitus Hospitalized for COVID-19.. <i>Diabetes Care</i> , 2022 ,	14.6	3
22	Genetic structure of SARS-CoV-2 in Western Germany reflects clonal superspreading and multiple independent introduction events		3
21	Dimerization energetics of the G-protein coupled bile acid receptor TGR5 from all-atom simulations. <i>Journal of Computational Chemistry</i> , 2020 , 41, 874-884	3.5	3
20	Dubin-Johnson Syndrome as Differential Diagnosis for Neonatal Cholestasis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2021 , 72, e105-e111	2.8	3
19	Circulating Osteopontin Levels and Outcomes in Patients Hospitalized for COVID-19. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
18	Association of HLA genotypes, AB0 blood type and chemokine receptor 5 mutant CD195 with the clinical course of COVID-19. <i>European Journal of Medical Research</i> , 2021 , 26, 107	4.8	3
17	Spontaneous cholemia in C57BL/6 mice predisposes to liver cancer in NASH. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 ,	7.9	2

16	Bile Acids and TGR5 (Gpbar1) Signaling 2020 , 81-100		2
15	Case Report: Convalescent Plasma Achieves SARS-CoV-2 Viral Clearance in a Patient With Persistently High Viral Replication Over 8 Weeks Due to Severe Combined Immunodeficiency (SCID) and Graft Failure. <i>Frontiers in Immunology</i> , 2021 , 12, 645989	8.4	2
14	The many facets of bile acids in the physiology and pathophysiology of the human liver. <i>Biological Chemistry</i> , 2021 , 402, 1047-1062	4.5	2
13	Transcriptomic Cross-Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. <i>Hepatology Communications</i> , 2021 ,	6	2
12	The role of the lymphotoxin- β receptor (L β R) in hepatocyte-mediated liver regeneration. <i>European Journal of Medical Research</i> , 2014 , 19, S3	4.8	1
11	Role of the bile acid receptor TGR5 (Gpbar-1) in liver damage and regeneration. <i>European Journal of Medical Research</i> , 2014 , 19,	4.8	1
10	Comparison of Different Systemic Therapeutic Regimes in Resectable Soft-Tissue Sarcoma-Results of a Network Meta-Analysis. <i>Cancers</i> , 2021 , 13,	6.6	1
9	Reconvalescent plasma/camostat mesylate in early SARS-CoV-2 Q-PCR positive high-risk individuals (RES-Q-HR): a structured summary of a study protocol for a randomized controlled trial. <i>Trials</i> , 2021 , 22, 343	2.8	1
8	Serum IP-10 levels and increased DPPiV activity are linked to circulating CXCR3+ T cells in cholestatic HCV patients. <i>PLoS ONE</i> , 2018 , 13, e0208225	3.7	1
7	Informed consent and informed intervention: SARS-CoV-2 vaccinations not just call for disclosure of newly emerging safety data but also for hypothesis generation and testing. <i>European Journal of Medical Research</i> , 2021 , 26, 87	4.8	0
6	Reply. <i>Hepatology</i> , 2019 , 70, 1074-1075	11.2	
5	TGR5 (GPBAR1) in the Liver 2020 , 286-298		
4	Autoantibody formation against a canalicular epitope found in a patient with acute intrahepatic cholestasis with PFIC-like presentation.. <i>JHEP Reports</i> , 2022 , 4, 100418	10.3	
3	Reply to Letter to the Editor: "The added benefit of contrast-enhanced CT in the evaluation of incidental FDG-avid colon lesions". <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2245-2246	8.8	
2	Gallbladder Wall Thickening associated with Dengue Shock Syndrome in a German traveller - no indication for surgical therapy - a case report. <i>Tropical Diseases, Travel Medicine and Vaccines</i> , 2021 , 7, 23	3.2	
1	Reply to: "Multiple investigations for a very common disorder: Finding the right balance in NAFLD". <i>Journal of Hepatology</i> , 2021 , 75, 1502-1503	13.4	