## Verena Keitel

List of Publications by Year in descending order

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VEDENIA KEITEL

#	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	Expression and function of the bile acid receptor TGR5 in Kupffer cells. Biochemical and Biophysical Research Communications, 2008, 372, 78-84.	2.1	346
3	The G-protein coupled bile salt receptor TGR5 is expressed in liver sinusoidal endothelial cells. Hepatology, 2007, 45, 695-704.	7.3	280
4	The membrane-bound bile acid receptor TGR5 is localized in the epithelium of human gallbladders. Hepatology, 2009, 50, 861-870.	7.3	226
5	Expression and localization of hepatobiliary transport proteins in progressive familial intrahepatic cholestasis. Hepatology, 2005, 41, 1160-1172.	7.3	214
6	The bile acid receptor TGR5 (Gpbarâ€1) acts as a neurosteroid receptor in brain. Glia, 2010, 58, 1794-1805.	4.9	209
7	CD133+ hepatic stellate cells are progenitor cells. Biochemical and Biophysical Research Communications, 2007, 352, 410-417.	2.1	204
8	Disease severity-specific neutrophil signatures in blood transcriptomes stratify COVID-19 patients. Genome Medicine, 2021, 13, 7.	8.2	193
9	TGR5 is essential for bile acid-dependent cholangiocyte proliferation in vivo and in vitro. Gut, 2016, 65, 487-501.	12.1	153
10	Combined Mutations of Canalicular Transporter Proteins Cause Severe Intrahepatic Cholestasis of Pregnancy. Gastroenterology, 2006, 131, 624-629.	1.3	152
11	Bile Salt–Induced Apoptosis Involves NADPH Oxidase Isoform Activation. Gastroenterology, 2005, 129, 2009-2031.	1.3	147
12	Early IFN-Î $\pm$ signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. Immunity, 2021, 54, 2650-2669.e14.	14.3	145
13	Conjugated bilirubin triggers anemia by inducing erythrocyte death. Hepatology, 2015, 61, 275-284.	7.3	141
14	Kupffer Cell-Derived Tnf Triggers Cholangiocellular Tumorigenesis through JNK due to Chronic Mitochondrial Dysfunction and ROS. Cancer Cell, 2017, 31, 771-789.e6.	16.8	140
15	Microglia activation in hepatic encephalopathy in rats and humans. Hepatology, 2011, 54, 204-215.	7.3	139
16	Impaired protein maturation of the conjugate export pump multidrug resistance protein 2 as a consequence of a deletion mutation in dubin-johnson syndrome. Hepatology, 2000, 32, 1317-1328.	7.3	132
17	Characterization of animal models for primary sclerosing cholangitis (PSC). Journal of Hepatology, 2014, 60, 1290-1303.	3.7	129
18	Ammonia induces RNA oxidation in cultured astrocytes and brain <i>in vivo</i> . Hepatology, 2008, 48, 567-579	7.3	128

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19	De novo bile salt transporter antibodies as a possible cause of recurrent graft failure after liver transplantation: A novel mechanism of cholestasis. Hepatology, 2009, 50, 510-517.	7.3	120
20	Bile acids PKA-dependently induce a switch of the IL-10/IL-12 ratio and reduce proinflammatory capability of human macrophages. Journal of Leukocyte Biology, 2013, 94, 1253-1264.	3.3	117
21	A mutation in the canalicular phospholipid transporter gene, ABCB4, is associated with cholestasis, ductopenia, and cirrhosis in adults. Hepatology, 2008, 48, 1157-1166.	7.3	109
22	Bile Acid-Induced Arrhythmia Is Mediated by Muscarinic M2 Receptors in Neonatal Rat Cardiomyocytes. PLoS ONE, 2010, 5, e9689.	2.5	109
23	A common Dubin-Johnson syndrome mutation impairs protein maturation and transport activity of MRP2 (ABCC2). American Journal of Physiology - Renal Physiology, 2003, 284, G165-G174.	3.4	108
24	Mutational Characterization of the Bile Acid Receptor TGR5 in Primary Sclerosing Cholangitis. PLoS ONE, 2010, 5, e12403.	2.5	106
25	The membrane-bound bile acid receptor TGR5 (Gpbar-1) is localized in the primary cilium of cholangiocytes. Biological Chemistry, 2010, 391, 785-9.	2.5	103
26	Perspective: TGR5 (Gpbar-1) in liver physiology and disease. Clinics and Research in Hepatology and Gastroenterology, 2012, 36, 412-419.	1.5	103
27	Endocrine and paracrine role of bile acids. World Journal of Gastroenterology, 2008, 14, 5620.	3.3	103
28	Sequencing of FIC1, BSEP and MDR3 in a large cohort of patients with cholestasis revealed a high number of different genetic variants. Journal of Hepatology, 2017, 67, 1253-1264.	3.7	97
29	Monoterpene (â^')-citronellal affects hepatocarcinoma cell signaling via an olfactory receptor. Archives of Biochemistry and Biophysics, 2015, 566, 100-109.	3.0	94
30	Bile acid receptors in the biliary tree: TGR5 in physiology and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 1319-1325.	3.8	93
31	Soluble Urokinase Receptor (SuPAR) in COVID-19–Related AKI. Journal of the American Society of Nephrology: JASN, 2020, 31, 2725-2735.	6.1	93
32	Bile Microinfarcts in Cholestasis Are Initiated by Rupture of the Apical Hepatocyte Membrane and Cause Shunting of Bile to Sinusoidal Blood. Hepatology, 2019, 69, 666-683.	7.3	89
33	Emergence of the E484K mutation in SARS-COV-2-infected immunocompromised patients treated with bamlanivimab in Germany. Lancet Regional Health - Europe, The, 2021, 8, 100164.	5.6	83
34	Bile Acid-Activated Receptors: GPBAR1 (TGR5) and Other G Protein-Coupled Receptors. Handbook of Experimental Pharmacology, 2019, 256, 19-49.	1.8	73
35	Benign Recurrent Intrahepatic Cholestasis Associated With Mutations of the Bile Salt Export Pump. Journal of Clinical Gastroenterology, 2006, 40, 171-175.	2.2	72
36	Inflammatory cytokines induce protein tyrosine nitration in rat astrocytes. Archives of Biochemistry and Biophysics, 2006, 449, 104-114.	3.0	63

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37	Hypoosmotic swelling affects zinc homeostasis in cultured rat astrocytes. Glia, 2009, 57, 79-92.	4.9	63
38	Targeting FXR in Cholestasis. Handbook of Experimental Pharmacology, 2019, 256, 299-324.	1.8	63
39	Role of TGR5 (GPBAR1) in Liver Disease. Seminars in Liver Disease, 2018, 38, 333-339.	3.6	59
40	Diagnosis and management of secondary causes of steatohepatitis. Journal of Hepatology, 2021, 74, 1455-1471.	3.7	56
41	Autoimmune BSEP Disease: Disease Recurrence After Liver Transplantation for Progressive Familial Intrahepatic Cholestasis. Clinical Reviews in Allergy and Immunology, 2015, 48, 273-284.	6.5	53
42	Ammonia triggers exocytotic release of <scp>L</scp> â€glutamate from cultured rat astrocytes. Glia, 2010, 58, 691-705.	4.9	51
43	Downregulation of TGR5 (GPBAR1) in biliary epithelial cells contributes to the pathogenesis of sclerosing cholangitis. Journal of Hepatology, 2021, 75, 634-646.	3.7	51
44	Activation of NF-κB by IL-1β blocks IL-6-induced sustained STAT3 activation and STAT3-dependent gene expression of the human γ-fibrinogen gene. Cellular Signalling, 2007, 19, 1866-1878.	3.6	50
45	Sensitivity of anti-SARS-CoV-2 serological assays in a high-prevalence setting. European Journal of Clinical Microbiology and Infectious Diseases, 2021, 40, 1063-1071.	2.9	50
46	TGR5 in the Biliary Tree. Digestive Diseases, 2011, 29, 45-47.	1.9	46
47	Precipitants of hepatic encephalopathy induce rapid astrocyte swelling in an oxidative stress dependent manner. Archives of Biochemistry and Biophysics, 2013, 536, 143-151.	3.0	46
48	Bile salt export pumpâ€reactive antibodies form a polyclonal, multiâ€inhibitory response in antibodyâ€induced bile salt export pump deficiency. Hepatology, 2016, 63, 524-537.	7.3	45
49	Genetic structure of SARS-CoV-2 reflects clonal superspreading and multiple independent introduction events, North-Rhine Westphalia, Germany, February and March 2020. Eurosurveillance, 2020, 25, .	7.0	45
50	TGR5: Pathogenetic Role and/or Therapeutic Target in Fibrosing Cholangitis?. Clinical Reviews in Allergy and Immunology, 2015, 48, 218-225.	6.5	43
51	The Epidermal Growth Factor Receptor Ligand Amphiregulin Protects From Cholestatic Liver Injury and Regulates Bile Acids Synthesis. Hepatology, 2019, 69, 1632-1647.	7.3	42
52	TGR5 in cholangiocytes. Current Opinion in Gastroenterology, 2013, 29, 299-304.	2.3	41
53	Role of the G Protein-Coupled Bile Acid Receptor TGR5 in Liver Damage. Digestive Diseases, 2017, 35, 235-240.	1.9	41
54	Inflammation, Hyperglycemia, and Adverse Outcomes in Individuals With Diabetes Mellitus Hospitalized for COVID-19. Diabetes Care, 2022, 45, 692-700.	8.6	40

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55	Remote ischemic preconditioning preserves Connexin 43 phosphorylation in the rat heart in vivo. Journal of Translational Medicine, 2014, 12, 228.	4.4	38
56	Bile Acid G Protein-Coupled Membrane Receptor TGR5 Modulates Aquaporin 2–Mediated Water Homeostasis. Journal of the American Society of Nephrology: JASN, 2018, 29, 2658-2670.	6.1	38
57	Locomotor impairment and cerebrocortical oxidative stress in portal vein ligated rats in vivo. Journal of Hepatology, 2011, 54, 251-257.	3.7	37
58	Ammonia increases nitric oxide, free Zn <sup>2+</sup> , and metallothionein mRNA expression in cultured rat astrocytes. Biological Chemistry, 2011, 392, 1155-1165.	2.5	37
59	The G Protein-Coupled Bile Acid Receptor TGR5 (Gpbar1) Modulates Endothelin-1 Signaling in Liver. Cells, 2019, 8, 1467.	4.1	35
60	Ammonia Attenuates LPS-Induced Upregulation of Pro-Inflammatory Cytokine mRNA in Co-Cultured Astrocytes and Microglia. Neurochemical Research, 2017, 42, 737-749.	3.3	34
61	Degradation of the sodium taurocholate cotransporting polypeptide (NTCP) by the ubiquitin-proteasome system. Biological Chemistry, 2005, 386, 1065-74.	2.5	32
62	Functional changes of the gastric bypass microbiota reactivate thermogenic adipose tissue and systemic glucose control via intestinal FXR-TGR5 crosstalk in diet-induced obesity. Microbiome, 2022, 10, .	11.1	32
63	Role of macrophages in bile acid-induced inflammatory response of fetal lung during maternal cholestasis. Journal of Molecular Medicine, 2014, 92, 359-372.	3.9	31
64	Protein kinase C induces endocytosis of the sodium taurocholate cotransporting polypeptide. American Journal of Physiology - Renal Physiology, 2010, 299, G320-G328.	3.4	29
65	TGR5 Sequence Variation in Primary Sclerosing Cholangitis. Digestive Diseases, 2011, 29, 78-84.	1.9	28
66	Molecular Mechanisms of Glutamine Synthetase Mutations that Lead to Clinically Relevant Pathologies. PLoS Computational Biology, 2016, 12, e1004693.	3.2	28
67	CD95 tyrosine phosphorylation is required for CD95 oligomerization. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 719-729.	4.9	27
68	Short-term feedback regulation of bile salt uptake by bile salts in rodent liver. Hepatology, 2012, 56, 2387-2397.	7.3	27
69	Mutational mapping of the transmembrane binding site of the G-protein coupled receptor TGR5 and binding mode prediction of TGR5 agonists. European Journal of Medicinal Chemistry, 2015, 104, 57-72.	5.5	27
70	B Cellâ€Mediated Maintenance of Cluster of Differentiation 169–Positive Cells Is Critical for Liver Regeneration. Hepatology, 2018, 68, 2348-2361.	7.3	26
71	Bile-Based Cell-Free DNA Analysis Is a Reliable Diagnostic Tool in Pancreatobiliary Cancer. Cancers, 2021, 13, 39.	3.7	26
72	An elevated FIB-4 score predicts liver cancer development: A longitudinal analysis from 29,999 patients with NAFLD. Journal of Hepatology, 2022, 76, 247-248.	3.7	25

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73	Transcriptomic Crossâ€6pecies Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. Hepatology Communications, 2022, 6, 161-177.	4.3	24
74	Structural assemblies of the di- and oligomeric G-protein coupled receptor TGR5 in live cells: an MFIS-FRET and integrative modelling study. Scientific Reports, 2016, 6, 36792.	3.3	23
75	Amplification of CD95 Activation by Caspase 8-induced Endosomal Acidification in Rat Hepatocytes. Journal of Biological Chemistry, 2008, 283, 2211-2222.	3.4	21
76	Nuclear Translocation of RELB Is Increased in Diseased Human Liver and Promotes Ductular Reaction and Biliary Fibrosis in Mice. Gastroenterology, 2019, 156, 1190-1205.e14.	1.3	19
77	Inborn Errors of Biliary Canalicular Transport Systems. Methods in Enzymology, 2005, 400, 558-569.	1.0	18
78	IL-17A/F enable cholangiocytes to restrict T cell-driven experimental cholangitis by upregulating PD-L1 expression. Journal of Hepatology, 2021, 74, 919-930.	3.7	18
79	Circulating Osteopontin Levels and Outcomes in Patients Hospitalized for COVID-19. Journal of Clinical Medicine, 2021, 10, 3907.	2.4	17
80	Multidrug resistanceâ€associated protein 4 expression in ammoniaâ€treated cultured rat astrocytes and cerebral cortex of cirrhotic patients with hepatic encephalopathy. Glia, 2015, 63, 2092-2105.	4.9	16
81	iRhom2 inhibits bile duct obstruction–induced liver fibrosis. Science Signaling, 2019, 12, .	3.6	16
82	Dose-optimised chest computed tomography for diagnosis of Coronavirus Disease 2019 (COVID-19) – Evaluation of image quality and diagnostic impact. Journal of Radiological Protection, 2020, 40, 877-891.	1.1	16
83	Delayed skin reaction after mRNA-1273 vaccine against SARS-CoV-2: a rare clinical reaction. European Journal of Medical Research, 2021, 26, 98.	2.2	16
84	A Membrane-proximal, C-terminal α-Helix Is Required for Plasma Membrane Localization and Function of the G Protein-coupled Receptor (GPCR) TGR5. Journal of Biological Chemistry, 2014, 289, 3689-3702.	3.4	15
85	Defective Platelet Activation and Bleeding Complications upon Cholestasis in Mice. Cellular Physiology and Biochemistry, 2017, 41, 2133-2149.	1.6	15
86	Fragile X mental retardation protein protects against tumour necrosis factor-mediated cell death and liver injury. Gut, 2020, 69, 133-145.	12.1	14
87	Hepatitis C Virus Activates a Neuregulin-Driven Circuit to Modify Surface Expression of Growth Factor Receptors of the ErbB Family. PLoS ONE, 2016, 11, e0148711.	2.5	14
88	Allogeneic haematopoietic stem cell transplantation eliminates alloreactive inhibitory antibodies after liver transplantation for bile salt export pump deficiency. Journal of Hepatology, 2018, 69, 961-965.	3.7	13
89	Analysis of the Bile Salt Export Pump (ABCB11) Interactome Employing Complementary Approaches. PLoS ONE, 2016, 11, e0159778.	2.5	13
90	Farnesoid X Receptor in Mice Prevents Severe Liver Immunopathology During Lymphocytic Choriomeningitis Virus Infection. Cellular Physiology and Biochemistry, 2017, 41, 323-338.	1.6	12

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91	Association of HLA genotypes, AB0 blood type and chemokine receptor 5 mutant CD195 with the clinical course of COVID-19. European Journal of Medical Research, 2021, 26, 107.	2.2	12
92	Expression and localization of atypical PKC isoforms in liver parenchymal cells. Biological Chemistry, 2009, 390, 235-244.	2.5	11
93	Heterologous Overexpression and Mutagenesis of the Human Bile Salt Export Pump (ABCB11) Using DREAM (Directed REcombination-Assisted Mutagenesis). PLoS ONE, 2011, 6, e20562.	2.5	11
94	Modulation of Gene Expression Profiles by Hyperosmolarity and Insulin. Cellular Physiology and Biochemistry, 2007, 20, 369-386.	1.6	10
95	Alloimmunity and Cholestasis After Liver Transplantation in Children With Progressive Familial Intrahepatic Cholestasis. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 169-174.	1.8	10
96	Dubin-Johnson Syndrome as Differential Diagnosis for Neonatal Cholestasis. Journal of Pediatric Gastroenterology and Nutrition, 2021, 72, e105-e111.	1.8	10
97	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. Frontiers in Immunology, 2021, 12, 645989.	4.8	10
98	On the Mechanisms of Biliary Flux. Hepatology, 2021, 74, 3497-3512.	7.3	10
99	Cooperative role of lymphotoxin $\hat{l}^2$ receptor and tumor necrosis factor receptor p55 in murine liver regeneration. Journal of Hepatology, 2016, 64, 1108-1117.	3.7	9
100	Postâ€ŧransplant Recurrent Bile Salt Export Pump Disease. Journal of Pediatric Gastroenterology and Nutrition, 2017, 65, 364-369.	1.8	9
101	Incidental 18F-FDG uptake in the colon: value of contrast-enhanced CT correlation with colonoscopic findings. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 778-786.	6.4	8
102	JNK signaling prevents biliary cyst formation through a CASPASE-8–dependent function of RIPK1 during aging. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	8
103	Hepatobiliary Transport in Health and Disease. , 2012, , .		8
104	Cholestasis induced liver pathology results in dysfunctional immune responses after arenavirus infection. Scientific Reports, 2018, 8, 12179.	3.3	7
105	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. Trials, 2021, 22, 343.	1.6	7
106	Extrahepatic manifestations of progressive familial intrahepatic cholestasis syndromes: Presentation of a case series and literature review. Liver International, 2022, 42, 1084-1096.	3.9	7
107	Dimerization energetics of the Gâ€protein coupled bile acid receptor TGR5 from allâ€atom simulations. Journal of Computational Chemistry, 2020, 41, 874-884.	3.3	6
108	Dual role of the bile acid receptor Takeda Gâ€proteinâ€coupled receptor 5 for hepatic lipid metabolism in feast and famine. Hepatology, 2017, 65, 767-770.	7.3	5

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109	The many facets of bile acids in the physiology and pathophysiology of the human liver. Biological Chemistry, 2021, 402, 1047-1062.	2.5	5
110	Pre-Operative MDCT Staging Predicts Mesopancreatic Fat Infiltration—A Novel Marker for Neoadjuvant Treatment?. Cancers, 2021, 13, 4361.	3.7	5
111	Spontaneous Cholemia in C57BL/6 Mice Predisposes to Liver Cancer in NASH. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 875-878.	4.5	5
112	A rare cause of a cholestatic jaundice in a North African teenager. Liver International, 2019, 39, 2036-2041.	3.9	4
113	Comparison of Different Systemic Therapeutic Regimes in Resectable Soft-Tissue Sarcoma—Results of a Network Meta-Analysis. Cancers, 2021, 13, 5631.	3.7	4
114	Serum IP-10 levels and increased DPPIV activity are linked to circulating CXCR3+ T cells in cholestatic HCV patients. PLoS ONE, 2018, 13, e0208225.	2.5	3
115	Bile Acids and TGR5 (Gpbar1) Signaling. , 2020, , 81-100.		3
116	The role of the lymphotoxin-β receptor (LTβR) in hepatocyte-mediated liver regeneration. European Journal of Medical Research, 2014, 19, S3.	2.2	2
117	Genetic Alterations Predict Long-Term Survival in Ductal Adenocarcinoma of the Pancreatic Head. Cancers, 2022, 14, 850.	3.7	2
118	Role of the bile acid receptor TGR5 (Gpbar-1) in liver damage and regeneration. European Journal of Medical Research, 2014, 19, .	2.2	1
119	Gallbladder Wall Thickening associated with Dengue Shock Syndrome in a German traveller – no indication for surgical therapy – a case report. Tropical Diseases, Travel Medicine and Vaccines, 2021, 7, 23.	2.2	1
120	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. European Journal of Medical Research, 2021, 26, 87.	2.2	1
121	Deciphering FAK in intrahepatic cholangiocarcinoma: A novel therapeutic target?. Journal of Hepatology, 2021, 75, 765-767.	3.7	1
122	Ammonia increases nitric oxide, free Zn <sup>2+</sup> and metallothionein mRNA expression in cultured rat astrocytes. Biological Chemistry, 0, ,	2.5	1
123	The secondary structure of the TGR5 membrane-proximal C-terminus determines plasma membrane localization and responsiveness towards extracellular ligands. European Journal of Medical Research, 2014, 19, .	2.2	0
124	High Precision FRET Analysis of the G-Protein Coupled Receptor TGR5 in Live Cells. Biophysical Journal, 2014, 106, 267a.	0.5	0
125	PS-040-Bacterial infection upregulates TGR5 expression in a Krüppel-like-factor 5-dependent manner. Journal of Hepatology, 2019, 70, e26.	3.7	0

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127	Reply to Letter to the Editor: "The added benefit of contrast-enhanced CT in the evaluation of incidental FDC-avid colon lesionsâ€ŧ European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2245-2246.	6.4	0
128	Reply to: "Multiple investigations for a very common disorder: Finding the right balance in NAFLD― Journal of Hepatology, 2021, 75, 1502-1503.	3.7	0
129	Autoantibody formation against a canalicular epitope found in a patient with acute intrahepatic cholestasis with PFIC-like presentation. JHEP Reports, 2022, 4, 100418.	4.9	Ο
130	CT Findings in Patients with COVID-19-Compatible Symptoms butÂlnitially Negative qPCR Test. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, , .	1.3	0