

# Krista Rombouts

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79 papers	3,544 citations	32 h-index	58 g-index
144 ext. papers	4,070 ext. citations	5.2 avg, IF	5.16 L-index

#	Paper	IF	Citations
79	Upregulation of proinflammatory and proangiogenic cytokines by leptin in human hepatic stellate cells. <i>Hepatology</i> , <b>2005</b> , 42, 1339-48	11.2	276
78	Decellularized human liver as a natural 3D-scaffold for liver bioengineering and transplantation. <i>Scientific Reports</i> , <b>2015</b> , 5, 13079	4.9	265
77	Liver fibrosis: from the bench to clinical targets. <i>Digestive and Liver Disease</i> , <b>2004</b> , 36, 231-42	3.3	249
76	Fibrosis in chronic liver diseases: diagnosis and management. <i>Journal of Hepatology</i> , <b>2005</b> , 42 Suppl, S22-S34	11.2	181
75	A histone deacetylase inhibitor, trichostatin A, suppresses myofibroblastic differentiation of rat hepatic stellate cells in primary culture. <i>Hepatology</i> , <b>1999</b> , 29, 858-67	11.2	177
74	Glutathione levels discriminate between oxidative stress and transforming growth factor-beta signaling in activated rat hepatic stellate cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 33881-7	5.4	126
73	Peroxisome proliferator-activated receptor-beta signaling contributes to enhanced proliferation of hepatic stellate cells. <i>Gastroenterology</i> , <b>2003</b> , 124, 184-201	13.3	110
72	Trichostatin A, a histone deacetylase inhibitor, suppresses collagen synthesis and prevents TGF-beta(1)-induced fibrogenesis in skin fibroblasts. <i>Experimental Cell Research</i> , <b>2002</b> , 278, 184-97	4.2	110
71	Hepatic stellate cells and extracellular matrix in hepatocellular carcinoma: more complicated than ever. <i>Liver International</i> , <b>2014</b> , 34, 834-43	7.9	105
70	Expression of somatostatin receptors in normal and cirrhotic human liver and in hepatocellular carcinoma. <i>Gut</i> , <b>2004</b> , 53, 1180-9	19.2	85
69	Differential modulation of rat hepatic stellate phenotype by natural and synthetic retinoids. <i>Hepatology</i> , <b>2004</b> , 39, 97-108	11.2	82
68	MAIT cells are chronically activated in patients with autoimmune liver disease and promote profibrogenic hepatic stellate cell activation. <i>Hepatology</i> , <b>2018</b> , 68, 172-186	11.2	76
67	Endoplasmic reticulum stress enhances fibrosis through IRE1 $\beta$ -mediated degradation of miR-150 and XBP-1 splicing. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 729-44	12	76
66	FAK controls the mechanical activation of YAP, a transcriptional regulator required for durotaxis. <i>FASEB Journal</i> , <b>2018</b> , 32, 1099-1107	0.9	71
65	Effect of HMG-CoA reductase inhibitors on proliferation and protein synthesis by rat hepatic stellate cells. <i>Journal of Hepatology</i> , <b>2003</b> , 38, 564-72	13.4	69
64	Role of the stromal-derived factor-1 (SDF-1)-CXCR4 axis in the interaction between hepatic stellate cells and cholangiocarcinoma. <i>Journal of Hepatology</i> , <b>2012</b> , 57, 813-20	13.4	68
63	Liver tissue engineering: From implantable tissue to whole organ engineering. <i>Hepatology Communications</i> , <b>2018</b> , 2, 131-141	6	67

62	Urea cycle dysregulation in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , <b>2018</b> , 69, 905-915	13.4	66
61	Actin filament formation, reorganization and migration are impaired in hepatic stellate cells under influence of trichostatin A, a histone deacetylase inhibitor. <i>Journal of Hepatology</i> , <b>2002</b> , 37, 788-96	13.4	57
60	Ammonia produces pathological changes in human hepatic stellate cells and is a target for therapy of portal hypertension. <i>Journal of Hepatology</i> , <b>2016</b> , 64, 823-33	13.4	56
59	Dual Targeting of Histone Methyltransferase G9a and DNA-Methyltransferase 1 for the Treatment of Experimental Hepatocellular Carcinoma. <i>Hepatology</i> , <b>2019</b> , 69, 587-603	11.2	56
58	Rapid production of human liver scaffolds for functional tissue engineering by high shear stress oscillation-decellularization. <i>Scientific Reports</i> , <b>2017</b> , 7, 5534	4.9	55
57	Neuroendocrine tumors and fibrosis: An unsolved mystery?. <i>Cancer</i> , <b>2017</b> , 123, 4770-4790	6.4	54
56	All-trans and 9-cis retinoic acid alter rat hepatic stellate cell phenotype differentially. <i>Gut</i> , <b>1999</b> , 45, 134-42	13.2	54
55	Activation of p38(MAPK) mediates the angiostatic effect of the chemokine receptor CXCR3-B. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 1764-74	5.6	53
54	PPARbeta regulates vitamin A metabolism-related gene expression in hepatic stellate cells undergoing activation. <i>Journal of Lipid Research</i> , <b>2003</b> , 44, 280-95	6.3	52
53	Fibrosis in alcoholic and nonalcoholic steatohepatitis. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , <b>2011</b> , 25, 231-44	2.5	50
52	Matrix stiffness modulates the activity of MMP-9 and TIMP-1 in hepatic stellate cells to perpetuate fibrosis. <i>Scientific Reports</i> , <b>2019</b> , 9, 7299	4.9	43
51	Molecular mechanisms of hepatic fibrosis in non-alcoholic steatohepatitis. <i>Digestive Diseases</i> , <b>2010</b> , 28, 229-35	3.2	42
50	Antifibrogenic effects of canrenone, an antialdosteronic drug, on human hepatic stellate cells. <i>Gastroenterology</i> , <b>2003</b> , 124, 504-20	13.3	42
49	Myristoylated Alanine-Rich protein Kinase C Substrate (MARCKS) expression modulates the metastatic phenotype in human and murine colon carcinoma in vitro and in vivo. <i>Cancer Letters</i> , <b>2013</b> , 333, 244-52	9.9	38
48	Mammalian target of rapamycin mediates the angiogenic effects of leptin in human hepatic stellate cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 301, G210-9	5.1	33
47	Engineering in vitro models of hepatofibrogenesis. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 121, 147-157	18.5	32
46	Impaired LXRβ Phosphorylation Attenuates Progression of Fatty Liver Disease. <i>Cell Reports</i> , <b>2019</b> , 26, 984-995.e6	10.6	31
45	Influence of aldosterone on collagen synthesis and proliferation of rat cardiac fibroblasts. <i>British Journal of Pharmacology</i> , <b>2001</b> , 134, 224-32	8.6	29

44	Tamoxifen mechanically deactivates hepatic stellate cells via the G protein-coupled estrogen receptor. <i>Oncogene</i> , <b>2019</b> , 38, 2910-2922	9.2	29
43	Ammonia Scavenging Prevents Progression of Fibrosis in Experimental Nonalcoholic Fatty Liver Disease. <i>Hepatology</i> , <b>2020</b> , 71, 874-892	11.2	29
42	Genetic association analysis identifies variants associated with disease progression in primary sclerosing cholangitis. <i>Gut</i> , <b>2018</b> , 67, 1517-1524	19.2	28
41	MARCKS is a downstream effector in platelet-derived growth factor-induced cell motility in activated human hepatic stellate cells. <i>Experimental Cell Research</i> , <b>2008</b> , 314, 1444-54	4.2	25
40	CHK2 overexpression and mislocalisation within mitotic structures enhances chromosomal instability and hepatocellular carcinoma progression. <i>Gut</i> , <b>2018</b> , 67, 348-361	19.2	24
39	A Microphysiological System for Studying Nonalcoholic Steatohepatitis. <i>Hepatology Communications</i> , <b>2020</b> , 4, 77-91	6	23
38	Ammonia: A novel target for the treatment of non-alcoholic steatohepatitis. <i>Medical Hypotheses</i> , <b>2018</b> , 113, 91-97	3.8	22
37	The fibrotic microenvironment as a heterogeneity facet of hepatocellular carcinoma. <i>Fibrogenesis and Tissue Repair</i> , <b>2013</b> , 6, 17		22
36	Fibroblast growth factor 2 (FGF2) regulates cytoglobin expression and activation of human hepatic stellate cells via JNK signaling. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 18961-18972	5.4	22
35	Epigenetic mechanisms and metabolic reprogramming in fibrogenesis: dual targeting of G9a and DNMT1 for the inhibition of liver fibrosis. <i>Gut</i> , <b>2021</b> , 70, 388-400	19.2	21
34	Cirrhotic Human Liver Extracellular Matrix 3D Scaffolds Promote Smad-Dependent TGF- $\beta$ Epithelial Mesenchymal Transition. <i>Cells</i> , <b>2019</b> , 9,	7.9	20
33	Somatostatin at nanomolar concentration reduces collagen I and III synthesis by, but not proliferation of activated rat hepatic stellate cells. <i>British Journal of Pharmacology</i> , <b>2005</b> , 146, 77-88	8.6	19
32	Thrombopoietin stimulates migration and activates multiple signaling pathways in hepatoblastoma cells. <i>American Journal of Physiology - Renal Physiology</i> , <b>2006</b> , 290, G120-8	5.1	18
31	Nuclear localization of TRK-A in liver cells. <i>Histology and Histopathology</i> , <b>2008</b> , 23, 327-40	1.4	18
30	MARCKS actin-binding capacity mediates actin filament assembly during mitosis in human hepatic stellate cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2012</b> , 303, C357-67	5.4	16
29	Effect of aldosterone on collagen steady state levels in primary and subcultured rat hepatic stellate cells. <i>Journal of Hepatology</i> , <b>2001</b> , 34, 230-8	13.4	14
28	The adenosine monophosphate-activated protein kinase-vacuolar adenosine triphosphatase-pH axis: A key regulator of the profibrogenic phenotype of human hepatic stellate cells. <i>Hepatology</i> , <b>2018</b> , 68, 1140-1153	11.2	13
27	Determination and Characterization of Tetraspanin-Associated Phosphoinositide-4 Kinases in Primary and Neoplastic Liver Cells. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1376, 203-12	1.4	12

26	TGF- $\beta$ -driven reduction of cytoglobin leads to oxidative DNA damage in stellate cells during non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , <b>2020</b> , 73, 882-895	13.4	11
25	Inhibiting IRE1 $\beta$ endonuclease activity decreases tumor burden in a mouse model for hepatocellular carcinoma. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
24	Reactive gamma-ketoaldehydes as novel activators of hepatic stellate cells in vitro. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 102, 162-173	7.8	10
23	Decellularized Human Gut as a Natural 3D Platform for Research in Intestinal Fibrosis. <i>Inflammatory Bowel Diseases</i> , <b>2019</b> , 25, 1740-1750	4.5	10
22	TRAIL regulatory receptors constrain human hepatic stellate cell apoptosis. <i>Scientific Reports</i> , <b>2017</b> , 7, 5514	4.9	9
21	CXCR7 contributes to the aggressive phenotype of cholangiocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2019</b> , 1865, 2246-2256	6.9	7
20	DNA Damage Response Protein CHK2 Regulates Metabolism in Liver Cancer. <i>Cancer Research</i> , <b>2021</b> , 81, 2861-2873	10.1	6
19	Hexa Histidine-Tagged Recombinant Human Cytoglobin Deactivates Hepatic Stellate Cells and Inhibits Liver Fibrosis by Scavenging Reactive Oxygen Species. <i>Hepatology</i> , <b>2021</b> , 73, 2527-2545	11.2	6
18	Clinicopathological correlations of mesenteric fibrosis and evaluation of a novel biomarker for fibrosis detection in small bowel neuroendocrine neoplasms. <i>Endocrine</i> , <b>2020</b> , 67, 718-726	4	6
17	Evaluation of NV556, a Novel Cyclophilin Inhibitor, as a Potential Antifibrotic Compound for Liver Fibrosis. <i>Cells</i> , <b>2019</b> , 8,	7.9	5
16	Effect of somatostatin-14 on extracellular matrix expression by activated rat hepatic stellate cells. <i>Journal of Hepatology</i> , <b>2001</b> , 34, 6	13.4	5
15	Boosting pigment epithelial-derived factor: a promising approach for the treatment of early portal hypertension. <i>Gut</i> , <b>2015</b> , 64, 523-4	19.2	4
14	Exogenous Liposomal Ceramide-C6 Ameliorates Lipidomic Profile, Energy Homeostasis, and Anti-Oxidant Systems in NASH. <i>Cells</i> , <b>2020</b> , 9,	7.9	4
13	Early increase in ammonia is a feature of non-alcoholic fatty liver disease and the ammonia lowering drug, ornithine phenylacetate (OCR-002) prevents progression of fibrosis in a rodent model. <i>Journal of Hepatology</i> , <b>2017</b> , 66, S170	13.4	4
12	Hepatic Stellate Cell Culture Models <b>2015</b> , 15-27		4
11	AICAR and compound C negatively modulate HCC-induced primary human hepatic stellate cell activation in vitro. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, G543-G556	5.1	4
10	Erratum to "Liver fibrosis: from the bench to clinical targets" [Dig. Liver Dis. 36 (2004) 231-242]. <i>Digestive and Liver Disease</i> , <b>2004</b> , 36, 562-563	3.3	3
9	Optimization and Validation of a Novel Three-Dimensional Co-Culture System in Decellularized Human Liver Scaffold for the Study of Liver Fibrosis and Cancer. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3

8	Development of human liver extracellular matrix hydrogel for three dimensional cell culture and cell transplantation. <i>Journal of Hepatology</i> , <b>2017</b> , 66, S339	13.4	2
7	Design of a Gene Panel to Expose the Versatile Role of Hepatic Stellate Cells in Human Liver Fibrosis. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	2
6	Dual Pharmacological Targeting of HDACs and PDE5 Inhibits Liver Disease Progression in a Mouse Model of Biliary Inflammation and Fibrosis. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
5	Macrophage MerTK promotes profibrogenic cross-talk with hepatic stellate cells via soluble mediators.. <i>JHEP Reports</i> , <b>2022</b> , 4, 100444	10.3	0
4	Transcriptomic Profiling of Tumor-Stromal Cell Paracrine Crosstalk Identifies Involvement of the Integrin Signaling Pathway in the Pathogenesis of Mesenteric Fibrosis in Human Small Intestinal Neuroendocrine Neoplasms. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 629665	5.3	0
3	What is new in the liver sinusoids? meeting report, 16th International Symposium on Cells of the Hepatic Sinusoid (ISCHS). <i>Fibrogenesis and Tissue Repair</i> , <b>2011</b> , 4, 27		
2	Role of Histone Deacetylases in Transcriptional Control of the Hepatic Stellate Cell Phenotype <b>2003</b> , 189-205		
1	Assaying the rigidity guided migration of human tumour stromal myofibroblasts (TSMs) on polyacrylamide substrates mimicking the healthy and fibrotic tissue transition boundary. <i>Convergent Science Physical Oncology</i> , <b>2016</b> , 2, 044502		