

# Detlef Schuppan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4775962/detlef-schuppan-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

111  
papers

7,902  
citations

41  
h-index

88  
g-index

118  
ext. papers

9,814  
ext. citations

7.4  
avg, IF

6.59  
L-index

#	Paper	IF	Citations
111	Liver cirrhosis. <i>Lancet, The</i> , <b>2008</b> , 371, 838-51	40	1419
110	Celiac disease: from pathogenesis to novel therapies. <i>Gastroenterology</i> , <b>2009</b> , 137, 1912-33	13.3	452
109	Evolving therapies for liver fibrosis. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 1887-901	15.9	442
108	Wheat amylase trypsin inhibitors drive intestinal inflammation via activation of toll-like receptor 4. <i>Journal of Experimental Medicine</i> , <b>2012</b> , 209, 2395-408	16.6	433
107	Hepatic fibrosis: Concept to treatment. <i>Journal of Hepatology</i> , <b>2015</b> , 62, S15-24	13.4	404
106	Nonceliac gluten sensitivity. <i>Gastroenterology</i> , <b>2015</b> , 148, 1195-204	13.3	217
105	Determinants of fibrosis progression and regression in NASH. <i>Journal of Hepatology</i> , <b>2018</b> , 68, 238-250	13.4	213
104	Liver fibrosis: Direct antifibrotic agents and targeted therapies. <i>Matrix Biology</i> , <b>2018</b> , 68-69, 435-451	11.4	189
103	Confocal endomicroscopy shows food-associated changes in the intestinal mucosa of patients with irritable bowel syndrome. <i>Gastroenterology</i> , <b>2014</b> , 147, 1012-20.e4	13.3	180
102	Nutritional Wheat Amylase-Trypsin Inhibitors Promote Intestinal Inflammation via Activation of Myeloid Cells. <i>Gastroenterology</i> , <b>2017</b> , 152, 1100-1113.e12	13.3	178
101	Non-alcoholic steatohepatitis: pathogenesis and novel therapeutic approaches. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , <b>2013</b> , 28 Suppl 1, 68-76	4	170
100	Selective targeting of lysyl oxidase-like 2 (LOXL2) suppresses hepatic fibrosis progression and accelerates its reversal. <i>Gut</i> , <b>2017</b> , 66, 1697-1708	19.2	164
99	Fibroblast growth factor 21 limits lipotoxicity by promoting hepatic fatty acid activation in mice on methionine and choline-deficient diets. <i>Gastroenterology</i> , <b>2014</b> , 147, 1073-83.e6	13.3	162
98	Vascular endothelial growth factor promotes fibrosis resolution and repair in mice. <i>Gastroenterology</i> , <b>2014</b> , 146, 1339-50.e1	13.3	160
97	Novel insights into the function and dynamics of extracellular matrix in liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 308, G807-30	5.1	156
96	Duodenal Bacteria From Patients With Celiac Disease and Healthy Subjects Distinctly Affect Gluten Breakdown and Immunogenicity. <i>Gastroenterology</i> , <b>2016</b> , 151, 670-83	13.3	130
95	Comparison of Gene Expression Patterns Between Mouse Models of Nonalcoholic Fatty Liver Disease and Liver Tissues From Patients. <i>Gastroenterology</i> , <b>2016</b> , 151, 513-525.e0	13.3	125

94	The Overlapping Area of Non-Celiac Gluten Sensitivity (NCGS) and Wheat-Sensitive Irritable Bowel Syndrome (IBS): An Update. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	125
93	Air Pollution and Climate Change Effects on Allergies in the Anthropocene: Abundance, Interaction, and Modification of Allergens and Adjuvants. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 4119-4141	10.3	123
92	Lysyl oxidase activity contributes to collagen stabilization during liver fibrosis progression and limits spontaneous fibrosis reversal in mice. <i>FASEB Journal</i> , <b>2016</b> , 30, 1599-609	0.9	117
91	Extrahepatic platelet-derived growth factor- $\beta$ delivered by platelets, promotes activation of hepatic stellate cells and biliary fibrosis in mice. <i>Gastroenterology</i> , <b>2014</b> , 147, 1378-92	13.3	98
90	A randomized, placebo-controlled trial of emricasan in patients with NASH and F1-F3 fibrosis. <i>Journal of Hepatology</i> , <b>2020</b> , 72, 816-827	13.4	88
89	Cancer-associated circulating large extracellular vesicles in cholangiocarcinoma and hepatocellular carcinoma. <i>Journal of Hepatology</i> , <b>2017</b> , 67, 282-292	13.4	85
88	Many Patients With Irritable Bowel Syndrome Have Atypical Food Allergies Not Associated With Immunoglobulin E. <i>Gastroenterology</i> , <b>2019</b> , 157, 109-118.e5	13.3	85
87	Liver fibrosis: Common mechanisms and antifibrotic therapies. <i>Clinics and Research in Hepatology and Gastroenterology</i> , <b>2015</b> , 39 Suppl 1, S51-9	2.4	80
86	Non-celiac wheat sensitivity: differential diagnosis, triggers and implications. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , <b>2015</b> , 29, 469-76	2.5	72
85	Lactobacilli Degrade Wheat Amylase Trypsin Inhibitors to Reduce Intestinal Dysfunction Induced by Immunogenic Wheat Proteins. <i>Gastroenterology</i> , <b>2019</b> , 156, 2266-2280	13.3	67
84	The immune contexture of hepatocellular carcinoma predicts clinical outcome. <i>Scientific Reports</i> , <b>2018</b> , 8, 5351	4.9	62
83	Traditional Chinese Medicine (TCM) for fibrotic liver disease: hope and hype. <i>Journal of Hepatology</i> , <b>2014</b> , 61, 166-8	13.4	60
82	Targeting myeloid cells in the tumor sustaining microenvironment. <i>Cellular Immunology</i> , <b>2019</b> , 343, 1037-43	4.3	60
81	Collagen and tissue turnover as a function of age: Implications for fibrosis. <i>Journal of Hepatology</i> , <b>2016</b> , 64, 103-9	13.4	59
80	Macrophage recruitment by fibrocystin-defective biliary epithelial cells promotes portal fibrosis in congenital hepatic fibrosis. <i>Hepatology</i> , <b>2016</b> , 63, 965-82	11.2	58
79	Fibrogenesis assessed by serological type III collagen formation identifies patients with progressive liver fibrosis and responders to a potential antifibrotic therapy. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G1009-G1017	5.1	53
78	Influence of low FODMAP and gluten-free diets on disease activity and intestinal microbiota in patients with non-celiac gluten sensitivity. <i>Clinical Nutrition</i> , <b>2019</b> , 38, 697-707	5.9	52
77	Wheat amylase trypsin inhibitors as nutritional activators of innate immunity. <i>Digestive Diseases</i> , <b>2015</b> , 33, 260-263	3.2	51

76	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. <i>Diabetologia</i> , <b>2017</b> , 60, 1873-1882	10.3	51
75	The challenge of developing novel pharmacological therapies for non-alcoholic steatohepatitis. <i>Liver International</i> , <b>2010</b> , 30, 795-808	7.9	48
74	IL-4 Receptor Alpha Signaling through Macrophages Differentially Regulates Liver Fibrosis Progression and Reversal. <i>EBioMedicine</i> , <b>2018</b> , 29, 92-103	8.8	47
73	Clinical Guide and Update on Porphyrrias. <i>Gastroenterology</i> , <b>2019</b> , 157, 365-381.e4	13.3	46
72	Targeted therapy of liver fibrosis/cirrhosis and its complications. <i>Journal of Hepatology</i> , <b>2011</b> , 55, 726-728	5.4	44
71	SiRNA-mediated in vivo gene knockdown by acid-degradable cationic nanohydrogel particles. <i>Journal of Controlled Release</i> , <b>2017</b> , 248, 10-23	11.7	42
70	Wheat amylase-trypsin inhibitors exacerbate intestinal and airway allergic immune responses in humanized mice. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 201-212.e4	11.5	41
69	Additive antitumour response to the rabbit VX2 hepatoma by combined radio frequency ablation and toll like receptor 9 stimulation. <i>Gut</i> , <b>2016</b> , 65, 134-43	19.2	40
68	Celiac disease and endocrine autoimmunity - the genetic link. <i>Autoimmunity Reviews</i> , <b>2018</b> , 17, 1169-1175	3.6	40
67	Collagen biology and non-invasive biomarkers of liver fibrosis. <i>Liver International</i> , <b>2020</b> , 40, 736-750	7.9	38
66	Lysyl Oxidase (LOX) Family Members: Rationale and Their Potential as Therapeutic Targets for Liver Fibrosis. <i>Hepatology</i> , <b>2020</b> , 72, 729-741	11.2	35
65	The diagnosis and treatment of celiac disease. <i>Deutsches Ärzteblatt International</i> , <b>2013</b> , 110, 835-46	2.5	35
64	Serum endotrophin identifies optimal responders to PPAR $\alpha$ agonists in type 2 diabetes. <i>Diabetologia</i> , <b>2017</b> , 60, 50-59	10.3	34
63	In Vivo Gene-Silencing in Fibrotic Liver by siRNA-Loaded Cationic Nanohydrogel Particles. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2809-15	10.1	33
62	Targeting Cancer Associated Fibroblasts in Liver Fibrosis and Liver Cancer Using Nanocarriers. <i>Cells</i> , <b>2020</b> , 9,	7.9	33
61	Serum I-FABP Detects Gluten Responsiveness in Adult Celiac Disease Patients on a Short-Term Gluten Challenge. <i>American Journal of Gastroenterology</i> , <b>2016</b> , 111, 1014-22	0.7	31
60	Identification of Pseudolysin (lasB) as an Aciduric Gluten-Degrading Enzyme with High Therapeutic Potential for Celiac Disease. <i>American Journal of Gastroenterology</i> , <b>2015</b> , 110, 899-908	0.7	29
59	Management of celiac disease in daily clinical practice. <i>European Journal of Internal Medicine</i> , <b>2019</b> , 61, 15-24	3.9	29

58	Salivary Gluten Degradation and Oral Microbial Profiles in Healthy Individuals and Celiac Disease Patients. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	28
57	Dietary wheat amylase trypsin inhibitors exacerbate murine allergic airway inflammation. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 1507-1514	5.2	28
56	Tumour-associated circulating microparticles: A novel liquid biopsy tool for screening and therapy monitoring of colorectal carcinoma and other epithelial neoplasia. <i>Oncotarget</i> , <b>2016</b> , 7, 30867-75	3.3	27
55	Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity. <i>Foods</i> , <b>2020</b> , 9,	4.9	27
54	Assessment of liver fibrosis progression and regression by a serological collagen turnover profile. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, G25-G31	5.1	26
53	Mitochondrial oxidative injury: a key player in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 319, G400-G411	5.1	23
52	Wheat Consumption Aggravates Colitis in Mice via Amylase Trypsin Inhibitor-mediated Dysbiosis. <i>Gastroenterology</i> , <b>2020</b> , 159, 257-272.e17	13.3	22
51	Comparison of murine steatohepatitis models identifies a dietary intervention with robust fibrosis, ductular reaction, and rapid progression to cirrhosis and cancer. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, G174-G188	5.1	22
50	Celiac disease: epidemiology, pathogenesis, diagnosis, and nutritional management. <i>Nutrition in Clinical Care: an Official Publication of Tufts University</i> , <b>2005</b> , 8, 54-69		22
49	Monitoring Translation Activity of mRNA-Loaded Nanoparticles in Mice. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 3909-3919	5.6	19
48	Effect of <i>Rothia mucilaginosa</i> enzymes on gliadin (gluten) structure, deamidation, and immunogenic epitopes relevant to celiac disease. <i>American Journal of Physiology - Renal Physiology</i> , <b>2014</b> , 307, G769-76	5.1	19
47	A Randomized Trial of a Transglutaminase 2 Inhibitor for Celiac Disease. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 35-45	59.2	19
46	Inducible knockdown of procollagen I protects mice from liver fibrosis and leads to dysregulated matrix genes and attenuated inflammation. <i>Matrix Biology</i> , <b>2018</b> , 66, 34-49	11.4	17
45	Self-reported dietary adherence, disease-specific symptoms, and quality of life are associated with healthcare provider follow-up in celiac disease. <i>BMC Gastroenterology</i> , <b>2017</b> , 17, 156	3	16
44	Hydroxyproline-containing collagen analogs trigger the release and activation of collagen-sequestered proMMP-2 by competition with prodomain-derived peptide P33-42. <i>Fibrogenesis and Tissue Repair</i> , <b>2011</b> , 4, 1		16
43	Nitration of Wheat Amylase Trypsin Inhibitors Increases Their Innate and Adaptive Immunostimulatory Potential. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 3174	8.4	15
42	Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 767-774	10.2	14
41	TGF- $\beta$ silencing to target biliary-derived liver diseases. <i>Gut</i> , <b>2020</b> , 69, 1677-1690	19.2	13

40	Chemical modification of pro-inflammatory proteins by peroxynitrite increases activation of TLR4 and NF- $\kappa$ B: Implications for the health effects of air pollution and oxidative stress. <i>Redox Biology</i> , <b>2020</b> , 37, 101581	11.3	13
39	In Vivo siRNA Delivery to Immunosuppressive Liver Macrophages by $\alpha$ -Mannosyl-Functionalized Cationic Nanohydrogel Particles. <i>Cells</i> , <b>2020</b> , 9,	7.9	13
38	Podoplanin discriminates distinct stromal cell populations and a novel progenitor subset in the liver. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 310, G1-12	5.1	13
37	$\alpha$ -Mannosyl-Functionalized Cationic Nanohydrogel Particles for Targeted Gene Knockdown in Immunosuppressive Macrophages. <i>Macromolecular Bioscience</i> , <b>2019</b> , 19, e1900162	5.5	12
36	Wheat ATIs: Characteristics and Role in Human Disease. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 667370	6.2	12
35	Identification of food-grade subtilisins as gluten-degrading enzymes to treat celiac disease. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G571-80	5.1	12
34	Dietary wheat amylase trypsin inhibitors promote features of murine non-alcoholic fatty liver disease. <i>Scientific Reports</i> , <b>2019</b> , 9, 17463	4.9	12
33	Nanoscale distribution of TLR4 on primary human macrophages stimulated with LPS and ATI. <i>Nanoscale</i> , <b>2019</b> , 11, 9769-9779	7.7	11
32	Monitoring non-responsive patients with celiac disease. <i>Gastrointestinal Endoscopy Clinics of North America</i> , <b>2006</b> , 16, 593-603	3.3	11
31	Nano-Enhanced Cancer Immunotherapy: Immunology Encounters Nanotechnology. <i>Cells</i> , <b>2020</b> , 9,	7.9	11
30	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. <i>Biochemical Pharmacology</i> , <b>2019</b> , 169, 113633	6	10
29	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. <i>Journal of Autoimmunity</i> , <b>2018</b> , 91, 83-96	15.5	10
28	Gluten-Free Diet Reduces Symptoms, Particularly Diarrhea, in Patients With Irritable Bowel Syndrome and Antigliadin IgG. <i>Clinical Gastroenterology and Hepatology</i> , <b>2021</b> , 19, 2343-2352.e8	6.9	9
27	Dietary Wheat Amylase Trypsin Inhibitors Impact Alzheimer's Disease Pathology in 5xFAD Model Mice. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
26	Pharmaceutically modified subtilisins withstand acidic conditions and effectively degrade gluten in vivo. <i>Scientific Reports</i> , <b>2019</b> , 9, 7505	4.9	7
25	Profiling and targeting connective tissue remodeling in autoimmunity - A novel paradigm for diagnosing and treating chronic diseases. <i>Autoimmunity Reviews</i> , <b>2021</b> , 20, 102706	13.6	7
24	Salivary proline-rich proteins and gluten: Do structural similarities suggest a role in celiac disease?. <i>Proteomics - Clinical Applications</i> , <b>2015</b> , 9, 953-64	3.1	6
23	Coeliac Disease - New Pathophysiological Findings and Their Implications for Therapy. <i>Viszeralmedizin</i> , <b>2014</b> , 30, 156-65		6

22	Niemann-Pick type C2 protein supplementation in experimental non-alcoholic fatty liver disease. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192728	3.7	6
21	Investigating fibrosis and inflammation in an ex vivo NASH murine model. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, G336-G351	5.1	6
20	Wheat Consumption Leads to Immune Activation and Symptom Worsening in Patients with Familial Mediterranean Fever: A Pilot Randomized Trial. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	5
19	Fibrosis evaluation by transient elastography in alcoholic liver disease: Is the histological scoring system impacting cutoff values?. <i>Hepatology</i> , <b>2017</b> , 65, 1758-1761	11.2	4
18	Despite sequence homologies to gluten, salivary proline-rich proteins do not elicit immune responses central to the pathogenesis of celiac disease. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 309, G910-7	5.1	4
17	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2020</b> , 1866, 165582	6.9	4
16	Co-factors, Microbes, and Immunogenetics in Celiac Disease to Guide Novel Approaches for Diagnosis and Treatment. <i>Gastroenterology</i> , <b>2021</b> , 161, 1395-1411.e4	13.3	4
15	Physicochemical and Preclinical Evaluation of Spermine-Derived Surfactant Liposomes for in Vitro and in Vivo siRNA-Delivery to Liver Macrophages. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 3636-3647	5.6	3
14	Diagnostic accuracy of a fully automated multiplex celiac disease antibody panel for serum and plasma. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2019</b> , 57, 1207-1217	5.9	3
13	Is duodenal biopsy required in all patients with suspected celiac disease?. <i>Nature Reviews Gastroenterology &amp; Hepatology</i> , <b>2008</b> , 5, 70-1		3
12	Histamine causes influx via T-type voltage-gated calcium channels in an enterochromaffin tumor cell line: potential therapeutic target in adverse food reactions. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 316, G291-G303	5.1	3
11	Fluorescence Correlation Spectroscopy Monitors the Fate of Degradable Nanocarriers in the Blood Stream.. <i>Biomacromolecules</i> , <b>2022</b> ,	6.9	2
10	Cirrhosis risk score of the donor organ predicts early fibrosis progression after liver transplantation. <i>Journal of Gastrointestinal and Liver Diseases</i> , <b>2019</b> , 28, 53-61	1.4	2
9	Endotrophin, a pro-peptide of Type VI collagen, is a biomarker of survival in cirrhotic patients with hepatocellular carcinoma. <i>Hepatic Oncology</i> , <b>2020</b> , 8, HEP32	4	2
8	Reply to Comment on Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity. 2020, , 943. <i>Foods</i> , <b>2020</b> , 9,	4.9	1
7	Phosphate Groups in the Lipid A Moiety Determine the Effects of LPS on Hepatic Stellate Cells: A Role for LPS-Dephosphorylating Activity in Liver Fibrosis. <i>Cells</i> , <b>2020</b> , 9,	7.9	1
6	pH-degradable, bisphosphonate-loaded nanogels attenuate liver fibrosis by repolarization of M2-type macrophages.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2122310119	11.5	1
5	Depletion of CD56CD3 invariant natural killer T cells prevents allergen-induced inflammation in humanized mice. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 148, 1081-1087.e2	11.5	0



- 4 Refractory coeliac disease: one step closer to the origin of aberrant lymphocytes. *Gut*, **2013**, 62, 485-6 19.2
- 3 Measurement of Reactive Oxygen and Nitrogen Species in Living Cells Using the Probe 2,7-Dichlorodihydrofluorescein.. *Bio-protocol*, **2021**, 11, e4279 0.9
- 2 GPO10, a collagen analog, effectively promotes activation of collagen-bound pro-Matrix-Metalloproteinase-2 in fibrotic liver tissue stimulating cell proliferation and migration. *FASEB Journal*, **2007**, 21, A1007 0.9
- 1 Alpha-single chains of collagen type VI inhibit the fibrogenic effects of triple helical collagen VI in hepatic stellate cells. *PLoS ONE*, **2021**, 16, e0254557 3.7