

Detlef Schuppan

List of Publications by Year in Descending Order

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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.

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	Fluorescence Correlation Spectroscopy Monitors the Fate of Degradable Nanocarriers in the Blood Stream.. <i>Biomacromolecules</i> , 2022 ,	6.9	2
110	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> , 2022 , 119, e2122310119	11.5	1
109	Measurement of Reactive Oxygen and Nitrogen Species in Living Cells Using the Probe 2 π 7FDichlorodihydrofluorescein.. <i>Bio-protocol</i> , 2021 , 11, e4279	0.9	
108	Gluten-Free Diet Reduces Symptoms, Particularly Diarrhea, in Patients With Irritable Bowel Syndrome and AntigliadinIgG. <i>Clinical Gastroenterology and Hepatology</i> , 2021 , 19, 2343-2352.e8	6.9	9
107	Wheat ATIs: Characteristics and Role in Human Disease. <i>Frontiers in Nutrition</i> , 2021 , 8, 667370	6.2	12
106	Depletion of CD56CD3 invariant natural killer T cells prevents allergen-induced inflammation in humanized mice. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 148, 1081-1087.e2	11.5	0
105	Profiling and targeting connective tissue remodeling in autoimmunity - A novel paradigm for diagnosing and treating chronic diseases. <i>Autoimmunity Reviews</i> , 2021 , 20, 102706	13.6	7
104	A Randomized Trial of a Transglutaminase 2 Inhibitor for Celiac Disease. <i>New England Journal of Medicine</i> , 2021 , 385, 35-45	59.2	19
103	Co-factors, Microbes, and Immunogenetics in Celiac Disease to Guide Novel Approaches for Diagnosis and Treatment. <i>Gastroenterology</i> , 2021 , 161, 1395-1411.e4	13.3	4
102	Alpha-single chains of collagen type VI inhibit the fibrogenic effects of triple helical collagen VI in hepatic stellate cells. <i>PLoS ONE</i> , 2021 , 16, e0254557	3.7	
101	Reply to Comment on Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity. 2020, , 943. <i>Foods</i> , 2020 , 9,	4.9	1
100	Lysyl Oxidase (LOX) Family Members: Rationale and Their Potential as Therapeutic Targets for Liver Fibrosis. <i>Hepatology</i> , 2020 , 72, 729-741	11.2	35
99	Mitochondrial oxidative injury: a key player in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, G400-G411	5.1	23
98	Collagen biology and non-invasive biomarkers of liver fibrosis. <i>Liver International</i> , 2020 , 40, 736-750	7.9	38
97	TGF- β silencing to target biliary-derived liver diseases. <i>Gut</i> , 2020 , 69, 1677-1690	19.2	13
96	Wheat Consumption Aggravates Colitis in Mice via Amylase Trypsin Inhibitor-mediated Dysbiosis. <i>Gastroenterology</i> , 2020 , 159, 257-272.e17	13.3	22
95	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> , 2020 , 318, G174-G188	5.1	22

94	Investigating fibrosis and inflammation in an ex vivo NASH murine model. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 318, G336-G351	5.1	6
93	A randomized, placebo-controlled trial of emricasan in patients with NASH and F1-F3 fibrosis. <i>Journal of Hepatology</i> , 2020 , 72, 816-827	13.4	88
92	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165582	6.9	4
91	Chemical modification of pro-inflammatory proteins by peroxynitrite increases activation of TLR4 and NF- κ B: Implications for the health effects of air pollution and oxidative stress. <i>Redox Biology</i> , 2020 , 37, 101581	11.3	13
90	Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity. <i>Foods</i> , 2020 , 9,	4.9	27
89	Dietary Wheat Amylase Trypsin Inhibitors Impact Alzheimer's Disease Pathology in 5xFAD Model Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
88	Nano-Enhanced Cancer Immunotherapy: Immunology Encounters Nanotechnology. <i>Cells</i> , 2020 , 9,	7.9	11
87	In Vivo siRNA Delivery to Immunosuppressive Liver Macrophages by β -Mannosyl-Functionalized Cationic Nanohydrogel Particles. <i>Cells</i> , 2020 , 9,	7.9	13
86	Targeting Cancer Associated Fibroblasts in Liver Fibrosis and Liver Cancer Using Nanocarriers. <i>Cells</i> , 2020 , 9,	7.9	33
85	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> , 2020 , 9,	7.9	1
84	Endotrophin, a pro-peptide of Type VI collagen, is a biomarker of survival in cirrhotic patients with hepatocellular carcinoma. <i>Hepatic Oncology</i> , 2020 , 8, HEP32	4	2
83	Wheat Consumption Leads to Immune Activation and Symptom Worsening in Patients with Familial Mediterranean Fever: A Pilot Randomized Trial. <i>Nutrients</i> , 2020 , 12,	6.7	5
82	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. <i>Biochemical Pharmacology</i> , 2019 , 169, 113633	6	10
81	β -Mannosyl-Functionalized Cationic Nanohydrogel Particles for Targeted Gene Knockdown in Immunosuppressive Macrophages. <i>Macromolecular Bioscience</i> , 2019 , 19, e1900162	5.5	12
80	Many Patients With Irritable Bowel Syndrome Have Atypical Food Allergies Not Associated With Immunoglobulin E. <i>Gastroenterology</i> , 2019 , 157, 109-118.e5	13.3	85
79	Nanoscale distribution of TLR4 on primary human macrophages stimulated with LPS and ATI. <i>Nanoscale</i> , 2019 , 11, 9769-9779	7.7	11
78	Pharmaceutically modified subtilisins withstand acidic conditions and effectively degrade gluten in vivo. <i>Scientific Reports</i> , 2019 , 9, 7505	4.9	7
77	Lactobacilli Degrade Wheat Amylase Trypsin Inhibitors to Reduce Intestinal Dysfunction Induced by Immunogenic Wheat Proteins. <i>Gastroenterology</i> , 2019 , 156, 2266-2280	13.3	67

76	Diagnostic accuracy of a fully automated multiplex celiac disease antibody panel for serum and plasma. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, 1207-1217	5.9	3
75	Clinical Guide and Update on Porphyrias. <i>Gastroenterology</i> , 2019 , 157, 365-381.e4	13.3	46
74	Cirrhosis risk score of the donor organ predicts early fibrosis progression after liver transplantation. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2019 , 28, 53-61	1.4	2
73	Dietary wheat amylase trypsin inhibitors promote features of murine non-alcoholic fatty liver disease. <i>Scientific Reports</i> , 2019 , 9, 17463	4.9	12
72	Assessment of liver fibrosis progression and regression by a serological collagen turnover profile. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, G25-G31	5.1	26
71	Management of celiac disease in daily clinical practice. <i>European Journal of Internal Medicine</i> , 2019 , 61, 15-24	3.9	29
70	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> , 2019 , 316, G291-G303	5.1	3
69	Targeting myeloid cells in the tumor sustaining microenvironment. <i>Cellular Immunology</i> , 2019 , 343, 103743	4.3	60
68	Wheat amylase-trypsin inhibitors exacerbate intestinal and airway allergic immune responses in humanized mice. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 201-212.e4	11.5	41
67	Dietary wheat amylase trypsin inhibitors exacerbate murine allergic airway inflammation. <i>European Journal of Nutrition</i> , 2019 , 58, 1507-1514	5.2	28
66	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> , 2019 , 38, 697-707	5.9	52
65	Nitration of Wheat Amylase Trypsin Inhibitors Increases Their Innate and Adaptive Immunostimulatory Potential. <i>Frontiers in Immunology</i> , 2018 , 9, 3174	8.4	15
64	IL-4 Receptor Alpha Signaling through Macrophages Differentially Regulates Liver Fibrosis Progression and Reversal. <i>EBioMedicine</i> , 2018 , 29, 92-103	8.8	47
63	Liver fibrosis: Direct antifibrotic agents and targeted therapies. <i>Matrix Biology</i> , 2018 , 68-69, 435-451	11.4	189
62	The immune contexture of hepatocellular carcinoma predicts clinical outcome. <i>Scientific Reports</i> , 2018 , 8, 5351	4.9	62
61	Monitoring Translation Activity of mRNA-Loaded Nanoparticles in Mice. <i>Molecular Pharmaceutics</i> , 2018 , 15, 3909-3919	5.6	19
60	Niemann-Pick type C2 protein supplementation in experimental non-alcoholic fatty liver disease. <i>PLoS ONE</i> , 2018 , 13, e0192728	3.7	6
59	Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics. <i>Science of the Total Environment</i> , 2018 , 612, 767-774	10.2	14

58	Inducible knockdown of procollagen I protects mice from liver fibrosis and leads to dysregulated matrix genes and attenuated inflammation. <i>Matrix Biology</i> , 2018 , 66, 34-49	11.4	17
57	Determinants of fibrosis progression and regression in NASH. <i>Journal of Hepatology</i> , 2018 , 68, 238-250	13.4	213
56	Celiac disease and endocrine autoimmunity - the genetic link. <i>Autoimmunity Reviews</i> , 2018 , 17, 1169-1175	3.6	40
55	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. <i>Journal of Autoimmunity</i> , 2018 , 91, 83-96	15.5	10
54	Selective targeting of lysyl oxidase-like 2 (LOXL2) suppresses hepatic fibrosis progression and accelerates its reversal. <i>Gut</i> , 2017 , 66, 1697-1708	19.2	164
53	Salivary Gluten Degradation and Oral Microbial Profiles in Healthy Individuals and Celiac Disease Patients. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	28
52	Fibrosis evaluation by transient elastography in alcoholic liver disease: Is the histological scoring system impacting cutoff values?. <i>Hepatology</i> , 2017 , 65, 1758-1761	11.2	4
51	Cancer-associated circulating large extracellular vesicles in cholangiocarcinoma and hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2017 , 67, 282-292	13.4	85
50	Air Pollution and Climate Change Effects on Allergies in the Anthropocene: Abundance, Interaction, and Modification of Allergens and Adjuvants. <i>Environmental Science & Technology</i> , 2017 , 51, 4119-4121	10.3	123
49	Nutritional Wheat Amylase-Trypsin Inhibitors Promote Intestinal Inflammation via Activation of Myeloid Cells. <i>Gastroenterology</i> , 2017 , 152, 1100-1113.e12	13.3	178
48	SiRNA-mediated in vivo gene knockdown by acid-degradable cationic nanohydrogel particles. <i>Journal of Controlled Release</i> , 2017 , 248, 10-23	11.7	42
47	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> , 2017 , 17, 156	3	16
46	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. <i>Diabetologia</i> , 2017 , 60, 1873-1882	10.3	51
45	Serum endotrophin identifies optimal responders to PPAR α agonists in type 2 diabetes. <i>Diabetologia</i> , 2017 , 60, 50-59	10.3	34
44	The Overlapping Area of Non-Celiac Gluten Sensitivity (NCGS) and Wheat-Sensitive Irritable Bowel Syndrome (IBS): An Update. <i>Nutrients</i> , 2017 , 9,	6.7	125
43	Collagen and tissue turnover as a function of age: Implications for fibrosis. <i>Journal of Hepatology</i> , 2016 , 64, 103-9	13.4	59
42	Physicochemical and Preclinical Evaluation of Spermine-Derived Surfactant Liposomes for in Vitro and in Vivo siRNA-Delivery to Liver Macrophages. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3636-3647	5.6	3
41	Comparison of Gene Expression Patterns Between Mouse Models of Nonalcoholic Fatty Liver Disease and Liver Tissues from Patients. <i>Gastroenterology</i> , 2016 , 151, 513-525.e0	13.3	125

40	Additive antitumour response to the rabbit VX2 hepatoma by combined radio frequency ablation and toll like receptor 9 stimulation. <i>Gut</i> , 2016 , 65, 134-43	19.2	40
39	Lysyl oxidase activity contributes to collagen stabilization during liver fibrosis progression and limits spontaneous fibrosis reversal in mice. <i>FASEB Journal</i> , 2016 , 30, 1599-609	0.9	117
38	Tumour-associated circulating microparticles: A novel liquid biopsy tool for screening and therapy monitoring of colorectal carcinoma and other epithelial neoplasia. <i>Oncotarget</i> , 2016 , 7, 30867-75	3.3	27
37	Duodenal Bacteria From Patients With Celiac Disease and Healthy Subjects Distinctly Affect Gluten Breakdown and Immunogenicity. <i>Gastroenterology</i> , 2016 , 151, 670-83	13.3	130
36	Macrophage recruitment by fibrocystin-defective biliary epithelial cells promotes portal fibrosis in congenital hepatic fibrosis. <i>Hepatology</i> , 2016 , 63, 965-82	11.2	58
35	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> , 2016 , 311, G1009-G1017	5.1	53
34	Identification of food-grade subtilisins as gluten-degrading enzymes to treat celiac disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G571-80	5.1	12
33	Serum I-FABP Detects Gluten Responsiveness in Adult Celiac Disease Patients on a Short-Term Gluten Challenge. <i>American Journal of Gastroenterology</i> , 2016 , 111, 1014-22	0.7	31
32	Podoplanin discriminates distinct stromal cell populations and a novel progenitor subset in the liver. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, G1-12	5.1	13
31	Liver fibrosis: Common mechanisms and antifibrotic therapies. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2015 , 39 Suppl 1, S51-9	2.4	80
30	Hepatic fibrosis: Concept to treatment. <i>Journal of Hepatology</i> , 2015 , 62, S15-24	13.4	404
29	Identification of Pseudolysin (lasB) as an Aciduric Gluten-Degrading Enzyme with High Therapeutic Potential for Celiac Disease. <i>American Journal of Gastroenterology</i> , 2015 , 110, 899-908	0.7	29
28	Wheat amylase trypsin inhibitors as nutritional activators of innate immunity. <i>Digestive Diseases</i> , 2015 , 33, 260-263	3.2	51
27	Novel insights into the function and dynamics of extracellular matrix in liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G807-30	5.1	156
26	In Vivo Gene-Silencing in Fibrotic Liver by siRNA-Loaded Cationic Nanohydrogel Particles. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2809-15	10.1	33
25	Salivary proline-rich proteins and gluten: Do structural similarities suggest a role in celiac disease?. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 953-64	3.1	6
24	Non-celiac wheat sensitivity: differential diagnosis, triggers and implications. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , 2015 , 29, 469-76	2.5	72
23	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> , 2015 , 309, G910-7	5.1	4

22	Nonceliac gluten sensitivity. <i>Gastroenterology</i> , 2015 , 148, 1195-204	13.3	217
21	Traditional Chinese Medicine (TCM) for fibrotic liver disease: hope and hype. <i>Journal of Hepatology</i> , 2014 , 61, 166-8	13.4	60
20	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> , 2014 , 307, G769-76	5.1	19
19	Fibroblast growth factor 21 limits lipotoxicity by promoting hepatic fatty acid activation in mice on methionine and choline-deficient diets. <i>Gastroenterology</i> , 2014 , 147, 1073-83.e6	13.3	162
18	Confocal endomicroscopy shows food-associated changes in the intestinal mucosa of patients with irritable bowel syndrome. <i>Gastroenterology</i> , 2014 , 147, 1012-20.e4	13.3	180
17	Extrahepatic platelet-derived growth factor- β delivered by platelets, promotes activation of hepatic stellate cells and biliary fibrosis in mice. <i>Gastroenterology</i> , 2014 , 147, 1378-92	13.3	98
16	Vascular endothelial growth factor promotes fibrosis resolution and repair in mice. <i>Gastroenterology</i> , 2014 , 146, 1339-50.e1	13.3	160
15	Coeliac Disease - New Pathophysiological Findings and Their Implications for Therapy. <i>Viszeralmedizin</i> , 2014 , 30, 156-65		6
14	Non-alcoholic steatohepatitis: pathogenesis and novel therapeutic approaches. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2013 , 28 Suppl 1, 68-76	4	170
13	Refractory coeliac disease: one step closer to the origin of aberrant lymphocytes. <i>Gut</i> , 2013 , 62, 485-6	19.2	
12	The diagnosis and treatment of celiac disease. <i>Deutsches A&#x0308;rztblatt International</i> , 2013 , 110, 835-46	2.5	35
11	Evolving therapies for liver fibrosis. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1887-901	15.9	442
10	Wheat amylase trypsin inhibitors drive intestinal inflammation via activation of toll-like receptor 4. <i>Journal of Experimental Medicine</i> , 2012 , 209, 2395-408	16.6	433
9	Targeted therapy of liver fibrosis/cirrhosis and its complications. <i>Journal of Hepatology</i> , 2011 , 55, 726-728	13.4	44
8	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> , 2011 , 4, 1		16
7	The challenge of developing novel pharmacological therapies for non-alcoholic steatohepatitis. <i>Liver International</i> , 2010 , 30, 795-808	7.9	48
6	Celiac disease: from pathogenesis to novel therapies. <i>Gastroenterology</i> , 2009 , 137, 1912-33	13.3	452
5	Liver cirrhosis. <i>Lancet, The</i> , 2008 , 371, 838-51	40	1419

4	Is duodenal biopsy required in all patients with suspected celiac disease?. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2008 , 5, 70-1		3
3	GPO10, a collagen analog, effectively promotes activation of collagen-bound pro-Matrix-Metalloproteinase-2 in fibrotic liver tissue stimulating cell proliferation and migration. <i>FASEB Journal</i> , 2007 , 21, A1007	0.9	
2	Monitoring non-responsive patients with celiac disease. <i>Gastrointestinal Endoscopy Clinics of North America</i> , 2006 , 16, 593-603	3.3	11
1	Celiac disease: epidemiology, pathogenesis, diagnosis, and nutritional management. <i>Nutrition in Clinical Care: an Official Publication of Tufts University</i> , 2005 , 8, 54-69		22