

Detlef Schuppan

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

11,256
citations

44069

48
h-index

30087

103
g-index

118
all docs

118
docs citations

118
times ranked

14905
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid biomarkers for fibrotic NASH – progress in a complex field. <i>Journal of Hepatology</i> , 2022, 76, 5-7.	3.7	9
2	Fluorescence Correlation Spectroscopy Monitors the Fate of Degradable Nanocarriers in the Blood Stream. <i>Biomacromolecules</i> , 2022, 23, 1065-1074.	5.4	15
3	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.	7.1	16
4	A structurally engineered fatty acid, icosabutate, suppresses liver inflammation and fibrosis in NASH. <i>Journal of Hepatology</i> , 2022, 76, 800-811.	3.7	15
5	Gluten-Free Diet Reduces Symptoms, Particularly Diarrhea, in Patients With Irritable Bowel Syndrome and Antigliadin IgG. <i>Clinical Gastroenterology and Hepatology</i> , 2021, 19, 2343-2352.e8.	4.4	30
6	Profiling and targeting connective tissue remodeling in autoimmunity - A novel paradigm for diagnosing and treating chronic diseases. <i>Autoimmunity Reviews</i> , 2021, 20, 102706.	5.8	16
7	Wheat ATIs: Characteristics and Role in Human Disease. <i>Frontiers in Nutrition</i> , 2021, 8, 667370.	3.7	42
8	Depletion of CD56+CD3+ 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.	2.9	1
9	Endotrophin, a pro-peptide of Type VI collagen, is a biomarker of survival in cirrhotic patients with hepatocellular carcinoma. <i>Hepatic Oncology</i> , 2021, 8, HEP32.	4.2	9
10	The Promise of Novel Therapies to Abolish Gluten Immunogenicity in Celiac Disease. <i>Gastroenterology</i> , 2021, 161, 21-24.	1.3	4
11	A Randomized Trial of a Transglutaminase 2 Inhibitor for Celiac Disease. <i>New England Journal of Medicine</i> , 2021, 385, 35-45.	27.0	98
12	Co-factors, Microbes, and Immunogenetics in Celiac Disease to Guide Novel Approaches for Diagnosis and Treatment. <i>Gastroenterology</i> , 2021, 161, 1395-1411.e4.	1.3	32
13	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.	2.5	1
14	Measurement of Reactive Oxygen and Nitrogen Species in Living Cells Using the Probe 2',7'-Dichlorodihydrofluorescein. <i>Bio-protocol</i> , 2021, 11, e4279.	0.4	0
15	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.	3.4	49
16	Investigating fibrosis and inflammation in an ex vivo NASH murine model. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G336-G351.	3.4	12
17	A randomized, placebo-controlled trial of emricasan in patients with NASH and F1-F3 fibrosis. <i>Journal of Hepatology</i> , 2020, 72, 816-827.	3.7	165
18	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.	3.8	12

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19	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.	9.0	30
20	Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity. <i>Foods</i> , 2020, 9, 943.	4.3	47
21	P68...A diet rich in wheat alpha-amylase/trypsin inhibitors (ATIs) enhances disease progression in the MRL-Fas(lpr) mouse model of systemic lupus erythematosus. , 2020, , .		0
22	Dietary Wheat Amylase Trypsin Inhibitors Impact Alzheimer's Disease Pathology in 5xFAD Model Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6288.	4.1	15
23	Nano-Enhanced Cancer Immunotherapy: Immunology Encounters Nanotechnology. <i>Cells</i> , 2020, 9, 2102.	4.1	56
24	In Vivo siRNA Delivery to Immunosuppressive Liver Macrophages by α -Mannosyl-Functionalized Cationic Nanohydrogel Particles. <i>Cells</i> , 2020, 9, 1905.	4.1	36
25	Targeting Cancer Associated Fibroblasts in Liver Fibrosis and Liver Cancer Using Nanocarriers. <i>Cells</i> , 2020, 9, 2027.	4.1	88
26	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, 2708.	4.1	8
27	Reply to Comment on Huang, X., et al. "Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity". <i>Foods</i> 2020, 9, 943. <i>Foods</i> , 2020, 9, 1405.	4.3	1
28	Lysyl Oxidase (LOX) Family Members: Rationale and Their Potential as Therapeutic Targets for Liver Fibrosis. <i>Hepatology</i> , 2020, 72, 729-741.	7.3	111
29	Mitochondrial oxidative injury: a key player in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, G400-G411.	3.4	50
30	β -arrestin: Dr Jekyll and Mr Hyde in NASH and fibrosis. <i>Journal of Hepatology</i> , 2020, 72, 813-815.	3.7	3
31	Collagen biology and non-invasive biomarkers of liver fibrosis. <i>Liver International</i> , 2020, 40, 736-750.	3.9	107
32	TGF- β 2 silencing to target biliary-derived liver diseases. <i>Gut</i> , 2020, 69, 1677-1690.	12.1	31
33	Wheat Consumption Aggravates Colitis in Mice via Amylase Trypsin Inhibitor-mediated Dysbiosis. <i>Gastroenterology</i> , 2020, 159, 257-272.e17.	1.3	41
34	Wheat Consumption Leads to Immune Activation and Symptom Worsening in Patients with Familial Mediterranean Fever: A Pilot Randomized Trial. <i>Nutrients</i> , 2020, 12, 1127.	4.1	21
35	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.	2.3	5
36	Clinical Guide and Update on Porphyrias. <i>Gastroenterology</i> , 2019, 157, 365-381.e4.	1.3	101

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37	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. <i>Biochemical Pharmacology</i> , 2019, 169, 113633.	4.4	17
38	Mannosylated Functionalized Cationic Nanohydrogel Particles for Targeted Gene Knockdown in Immunosuppressive Macrophages. <i>Macromolecular Bioscience</i> , 2019, 19, e1900162.	4.1	16
39	Many Patients With Irritable Bowel Syndrome Have Atypical Food Allergies Not Associated With Immunoglobulin E. <i>Gastroenterology</i> , 2019, 157, 109-118.e5.	1.3	151
40	Nanoscale distribution of TLR4 on primary human macrophages stimulated with LPS and ATI. <i>Nanoscale</i> , 2019, 11, 9769-9779.	5.6	16
41	Pharmaceutically modified subtilisins withstand acidic conditions and effectively degrade gluten in vivo. <i>Scientific Reports</i> , 2019, 9, 7505.	3.3	16
42	Lactobacilli Degrade Wheat Amylase Trypsin Inhibitors to Reduce Intestinal Dysfunction Induced by Immunogenic Wheat Proteins. <i>Gastroenterology</i> , 2019, 156, 2266-2280.	1.3	97
43	IDDF2019-ABS-0102...Comparison of murine steatohepatitis models identifies a dietary intervention with robust fibrosis, ductular reaction and rapid progression to cirrhosis, cancer. , 2019, , .		1
44	Dietary wheat amylase trypsin inhibitors promote features of murine non-alcoholic fatty liver disease. <i>Scientific Reports</i> , 2019, 9, 17463.	3.3	21
45	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.	3.4	42
46	Management of celiac disease in daily clinical practice. <i>European Journal of Internal Medicine</i> , 2019, 61, 15-24.	2.2	52
47	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.	3.4	6
48	Targeting myeloid cells in the tumor sustaining microenvironment. <i>Cellular Immunology</i> , 2019, 343, 103713.	3.0	89
49	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.	2.9	62
50	Dietary wheat amylase trypsin inhibitors exacerbate murine allergic airway inflammation. <i>European Journal of Nutrition</i> , 2019, 58, 1507-1514.	3.9	40
51	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.	5.0	89
52	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.	0.9	2
53	IL-4 Receptor Alpha Signaling through Macrophages Differentially Regulates Liver Fibrosis Progression and Reversal. <i>EBioMedicine</i> , 2018, 29, 92-103.	6.1	81
54	Liver fibrosis: Direct antifibrotic agents and targeted therapies. <i>Matrix Biology</i> , 2018, 68-69, 435-451.	3.6	310

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55	The immune contexture of hepatocellular carcinoma predicts clinical outcome. <i>Scientific Reports</i> , 2018, 8, 5351.	3.3	93
56	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.	3.6	22
57	Determinants of fibrosis progression and regression in NASH. <i>Journal of Hepatology</i> , 2018, 68, 238-250.	3.7	350
58	Celiac disease and endocrine autoimmunity – the genetic link. <i>Autoimmunity Reviews</i> , 2018, 17, 1169-1175.	5.8	61
59	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. <i>Journal of Autoimmunity</i> , 2018, 91, 83-96.	6.5	14
60	Monitoring Translation Activity of mRNA-Loaded Nanoparticles in Mice. <i>Molecular Pharmaceutics</i> , 2018, 15, 3909-3919.	4.6	27
61	Nitration of Wheat Amylase Trypsin Inhibitors Increases Their Innate and Adaptive Immunostimulatory Potential in vitro. <i>Frontiers in Immunology</i> , 2018, 9, 3174.	4.8	24
62	Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics. <i>Science of the Total Environment</i> , 2018, 612, 767-774.	8.0	19
63	Niemann-Pick type C2 protein supplementation in experimental non-alcoholic fatty liver disease. <i>PLoS ONE</i> , 2018, 13, e0192728.	2.5	7
64	Selective targeting of lysyl oxidase-like 2 (LOXL2) suppresses hepatic fibrosis progression and accelerates its reversal. <i>Gut</i> , 2017, 66, 1697-1708.	12.1	225
65	Salivary Gluten Degradation and Oral Microbial Profiles in Healthy Individuals and Celiac Disease Patients. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	47
66	Fibrosis evaluation by transient elastography in alcoholic liver disease: Is the histological scoring system impacting cutoff values?. <i>Hepatology</i> , 2017, 65, 1758-1761.	7.3	5
67	Cancer-associated circulating large extracellular vesicles in cholangiocarcinoma and hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2017, 67, 282-292.	3.7	123
68	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, 4119-4141.	10.0	193
69	Nutritional Wheat Amylase-Trypsin Inhibitors Promote Intestinal Inflammation via Activation of Myeloid Cells. <i>Gastroenterology</i> , 2017, 152, 1100-1113.e12.	1.3	247
70	siRNA-mediated in vivo gene knockdown by acid-degradable cationic nanohydrogel particles. <i>Journal of Controlled Release</i> , 2017, 248, 10-23.	9.9	51
71	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.	6.3	85
72	Serum endotrophin identifies optimal responders to PPAR γ agonists in type 2 diabetes. <i>Diabetologia</i> , 2017, 60, 50-59.	6.3	51

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73	The Overlapping Area of Non-Celiac Gluten Sensitivity (NCGS) and Wheat-Sensitive Irritable Bowel Syndrome (IBS): An Update. <i>Nutrients</i> , 2017, 9, 1268.	4.1	177
74	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.	2.0	31
75	Duodenal Bacteria From Patients With Celiac Disease and Healthy Subjects Distinctly Affect Gluten Breakdown and Immunogenicity. <i>Gastroenterology</i> , 2016, 151, 670-683.	1.3	177
76	Macrophage recruitment by fibrocystin-defective biliary epithelial cells promotes portal fibrosis in congenital hepatic fibrosis. <i>Hepatology</i> , 2016, 63, 965-982.	7.3	80
77	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.	3.4	69
78	Identification of food-grade subtilisins as gluten-degrading enzymes to treat celiac disease. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G571-G580.	3.4	25
79	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, 1014-1022.	0.4	40
80	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-G12.	3.4	20
81	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.	4.6	4
82	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.	1.3	180
83	Additive antitumour response to the rabbit VX2 hepatoma by combined radio frequency ablation and toll like receptor 9 stimulation. <i>Gut</i> , 2016, 65, 134-143.	12.1	53
84	Lysyl oxidase activity contributes to collagen stabilization during liver fibrosis progression and limits spontaneous fibrosis reversal in mice. <i>FASEB Journal</i> , 2016, 30, 1599-1609.	0.5	168
85	Collagen and tissue turnover as a function of age: Implications for fibrosis. <i>Journal of Hepatology</i> , 2016, 64, 103-109.	3.7	81
86	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, 30867-30875.	1.8	33
87	In Vivo Gene Silencing in Fibrotic Liver by siRNA-Loaded Cationic Nanohydrogel Particles. <i>Advanced Healthcare Materials</i> , 2015, 4, 2809-2815.	7.6	39
88	Salivary proline-rich proteins and gluten: Do structural similarities suggest a role in celiac disease?. <i>Proteomics - Clinical Applications</i> , 2015, 9, 953-964.	1.6	6
89	Non-celiac wheat sensitivity: Differential diagnosis, triggers and implications. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2015, 29, 469-476.	2.4	98
90	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-G917.	3.4	4

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91	Nonceliac Gluten Sensitivity. <i>Gastroenterology</i> , 2015, 148, 1195-1204.	1.3	295
92	Liver fibrosis: Common mechanisms and antifibrotic therapies. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2015, 39, S51-S59.	1.5	106
93	Hepatic fibrosis: Concept to treatment. <i>Journal of Hepatology</i> , 2015, 62, S15-S24.	3.7	554
94	Identification of Pseudolysin (IasB) as an Aciduric Gluten-Degrading Enzyme with High Therapeutic Potential for Celiac Disease. <i>American Journal of Gastroenterology</i> , 2015, 110, 899-908.	0.4	38
95	Wheat Amylase Trypsin Inhibitors as Nutritional Activators of Innate Immunity. <i>Digestive Diseases</i> , 2015, 33, 260-263.	1.9	67
96	Novel insights into the function and dynamics of extracellular matrix in liver fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G807-G830.	3.4	200
97	Coeliac Disease - New Pathophysiological Findings and Their Implications for Therapy. <i>Viszeralmedizin</i> , 2014, 30, 156-165.	0.0	9
98	Traditional Chinese Medicine (TCM) for fibrotic liver disease: Hope and hype. <i>Journal of Hepatology</i> , 2014, 61, 166-168.	3.7	76
99	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-G776.	3.4	21
100	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, 1073-1083.e6.	1.3	216
101	Confocal Endomicroscopy Shows Food-Associated Changes in the Intestinal Mucosa of Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2014, 147, 1012-1020.e4.	1.3	238
102	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, 1378-1392.	1.3	127
103	Vascular Endothelial Growth Factor Promotes Fibrosis Resolution and Repair in Mice. <i>Gastroenterology</i> , 2014, 146, 1339-1350.e1.	1.3	196
104	Non-alcoholic steatohepatitis: Pathogenesis and novel therapeutic approaches. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2013, 28, 68-76.	2.8	212
105	Refractory coeliac disease: one step closer to the origin of aberrant lymphocytes. <i>Gut</i> , 2013, 62, 485-486.	12.1	1
106	The Diagnosis and Treatment of Celiac Disease. <i>Deutsches Ärzteblatt International</i> , 2013, 110, 835-46.	0.9	58
107	Evolving therapies for liver fibrosis. <i>Journal of Clinical Investigation</i> , 2013, 123, 1887-1901.	8.2	521
108	Wheat amylase trypsin inhibitors drive intestinal inflammation via activation of toll-like receptor 4. <i>Journal of Experimental Medicine</i> , 2012, 209, 2395-2408.	8.5	548

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109	Targeted therapy of liver fibrosis/cirrhosis and its complications. <i>Journal of Hepatology</i> , 2011, 55, 726-728.	3.7	51
110	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.	3.4	20
111	The challenge of developing novel pharmacological therapies for non-alcoholic steatohepatitis. <i>Liver International</i> , 2010, 30, 795-808.	3.9	56
112	Celiac Disease: From Pathogenesis to Novel Therapies. <i>Gastroenterology</i> , 2009, 137, 1912-1933.	1.3	543
113	Liver cirrhosis. <i>Lancet, The</i> , 2008, 371, 838-851.	13.7	1,745
114	Is duodenal biopsy required in all patients with suspected celiac disease?. <i>Nature Reviews Gastroenterology & Hepatology</i> , 2008, 5, 70-71.	1.7	3
115	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.	0.5	0
116	Monitoring Non-responsive Patients with Celiac Disease. <i>Gastrointestinal Endoscopy Clinics of North America</i> , 2006, 16, 593-603.	1.4	14
117	Celiac disease: epidemiology, pathogenesis, diagnosis, and nutritional management. <i>Nutrition in Clinical Care: an Official Publication of Tufts University</i> , 2005, 8, 54-69.	0.2	25