Detlef Schuppan

List of Publications by Year
in descending order

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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	Liver cirrhosis. Lancet, The, 2008, 371, 838-851.	13.7	1,745
2	Hepatic fibrosis: Concept to treatment. Journal of Hepatology, 2015, 62, S15-S24.	3.7	554
3	Wheat amylase trypsin inhibitors drive intestinal inflammation via activation of toll-like receptor 4. Journal of Experimental Medicine, 2012, 209, 2395-2408.	8.5	548
4	Celiac Disease: From Pathogenesis to Novel Therapies. Gastroenterology, 2009, 137, 1912-1933.	1.3	543
5	Evolving therapies for liver fibrosis. Journal of Clinical Investigation, 2013, 123, 1887-1901.	8.2	521
6	Determinants of fibrosis progression and regression in NASH. Journal of Hepatology, 2018, 68, 238-250.	3.7	350
7	Liver fibrosis: Direct antifibrotic agents and targeted therapies. Matrix Biology, 2018, 68-69, 435-451.	3.6	310
8	Nonceliac Gluten Sensitivity. Gastroenterology, 2015, 148, 1195-1204.	1.3	295
9	Nutritional Wheat Amylase-Trypsin Inhibitors Promote Intestinal Inflammation via Activation of Myeloid Cells. Gastroenterology, 2017, 152, 1100-1113.e12.	1.3	247
10	Confocal Endomicroscopy Shows Food-Associated Changes in the Intestinal Mucosa of Patients With Irritable Bowel Syndrome. Gastroenterology, 2014, 147, 1012-1020.e4.	1.3	238
11	Selective targeting of lysyl oxidase-like 2 (LOXL2) suppresses hepatic fibrosis progression and accelerates its reversal. Gut, 2017, 66, 1697-1708.	12.1	225
12	Fibroblast Growth Factor 21 Limits Lipotoxicity by Promoting Hepatic Fatty Acid Activation in Mice on Methionine and Choline-Deficient Diets. Gastroenterology, 2014, 147, 1073-1083.e6.	1.3	216
13	Nonâ€alcoholic steatohepatitis: Pathogenesis and novel therapeutic approaches. Journal of Gastroenterology and Hepatology (Australia), 2013, 28, 68-76.	2.8	212
14	Novel insights into the function and dynamics of extracellular matrix in liver fibrosis. American Journal of Physiology - Renal Physiology, 2015, 308, G807-G830.	3.4	200
15	Vascular Endothelial Growth Factor Promotes Fibrosis Resolution and Repair in Mice. Gastroenterology, 2014, 146, 1339-1350.e1.	1.3	196
16	Air Pollution and Climate Change Effects on Allergies in the Anthropocene: Abundance, Interaction, and Modification of Allergens and Adjuvants. Environmental Science & Technology, 2017, 51, 4119-4141.	10.0	193
17	Comparison of Gene Expression Patterns Between Mouse ModelsÂof Nonalcoholic Fatty Liver Disease and Liver TissuesÂFrom Patients. Gastroenterology, 2016, 151, 513-525.e0.	1.3	180
18	Duodenal Bacteria From Patients With Celiac Disease andÂHealthy Subjects Distinctly Affect Gluten BreakdownÂandÂImmunogenicity. Gastroenterology, 2016, 151, 670-683.	1.3	177

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19	The Overlapping Area of Non-Celiac Gluten Sensitivity (NCGS) and Wheat-Sensitive Irritable Bowel Syndrome (IBS): An Update. Nutrients, 2017, 9, 1268.	4.1	177
20	Lysyl oxidase activity contributes to collagen stabilization during liver fibrosis progression and limits spontaneous fibrosis reversal in mice. FASEB Journal, 2016, 30, 1599-1609.	0.5	168
21	A randomized, placebo-controlled trial of emricasan in patients with NASH and F1-F3 fibrosis. Journal of Hepatology, 2020, 72, 816-827.	3.7	165
22	Many Patients With Irritable Bowel Syndrome Have Atypical Food Allergies Not Associated With Immunoglobulin E. Gastroenterology, 2019, 157, 109-118.e5.	1.3	151
23	Extrahepatic Platelet-Derived Growth Factor-Î², Delivered by Platelets, Promotes Activation of Hepatic Stellate Cells and Biliary Fibrosis in Mice. Gastroenterology, 2014, 147, 1378-1392.	1.3	127
24	Cancer-associated circulating large extracellular vesicles in cholangiocarcinoma and hepatocellular carcinoma. Journal of Hepatology, 2017, 67, 282-292.	3.7	123
25	Lysyl Oxidase (LOX) Family Members: Rationale and Their Potential as Therapeutic Targets for Liver Fibrosis. Hepatology, 2020, 72, 729-741.	7.3	111
26	Collagen biology and nonâ€invasive biomarkers of liver fibrosis. Liver International, 2020, 40, 736-750.	3.9	107
27	Liver fibrosis: Common mechanisms and antifibrotic therapies. Clinics and Research in Hepatology and Gastroenterology, 2015, 39, S51-S59.	1.5	106
28	Clinical Guide and Update on Porphyrias. Gastroenterology, 2019, 157, 365-381.e4.	1.3	101
29	Non-celiac wheat sensitivity: Differential diagnosis, triggers and implications. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2015, 29, 469-476.	2.4	98
30	A Randomized Trial of a Transglutaminase 2 Inhibitor for Celiac Disease. New England Journal of Medicine, 2021, 385, 35-45.	27.0	98
31	Lactobacilli Degrade Wheat Amylase Trypsin Inhibitors to Reduce Intestinal Dysfunction Induced by Immunogenic Wheat Proteins. Gastroenterology, 2019, 156, 2266-2280.	1.3	97
32	The immune contexture of hepatocellular carcinoma predicts clinical outcome. Scientific Reports, 2018, 8, 5351.	3.3	93
33	Targeting myeloid cells in the tumor sustaining microenvironment. Cellular Immunology, 2019, 343, 103713.	3.0	89
34	Influence of low FODMAP and gluten-free diets on disease activity and intestinal microbiota in patients with non-celiac gluten sensitivity. Clinical Nutrition, 2019, 38, 697-707.	5.0	89
35	Targeting Cancer Associated Fibroblasts in Liver Fibrosis and Liver Cancer Using Nanocarriers. Cells, 2020, 9, 2027.	4.1	88
36	Use of HOMA-IR to diagnose non-alcoholic fatty liver disease: a population-based and inter-laboratory study. Diabetologia, 2017, 60, 1873-1882.	6.3	85

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37	Collagen and tissue turnover as a function of age: Implications for fibrosis. Journal of Hepatology, 2016, 64, 103-109.	3.7	81
38	IL-4 Receptor Alpha Signaling through Macrophages Differentially Regulates Liver Fibrosis Progression and Reversal. EBioMedicine, 2018, 29, 92-103.	6.1	81
39	Macrophage recruitment by fibrocystinâ€defective biliary epithelial cells promotes portal fibrosis in congenital hepatic fibrosis. Hepatology, 2016, 63, 965-982.	7.3	80
40	Traditional Chinese Medicine (TCM) for fibrotic liver disease: Hope and hype. Journal of Hepatology, 2014, 61, 166-168.	3.7	76
41	Fibrogenesis assessed by serological type III collagen formation identifies patients with progressive liver fibrosis and responders to a potential antifibrotic therapy. American Journal of Physiology - Renal Physiology, 2016, 311, G1009-G1017.	3.4	69
42	Wheat Amylase Trypsin Inhibitors as Nutritional Activators of Innate Immunity. Digestive Diseases, 2015, 33, 260-263.	1.9	67
43	Wheat amylase-trypsin inhibitors exacerbate intestinal and airway allergic immune responses in humanized mice. Journal of Allergy and Clinical Immunology, 2019, 143, 201-212.e4.	2.9	62
44	Celiac disease and endocrine autoimmunity â€“ the genetic link. Autoimmunity Reviews, 2018, 17, 1169-1175.	5.8	61
45	The Diagnosis and Treatment of Celiac Disease. Deutsches Ärzteblatt International, 2013, 110, 835-46.	0.9	58
46	The challenge of developing novel pharmacological therapies for non-alcoholic steatohepatitis. Liver International, 2010, 30, 795-808.	3.9	56
47	Nano-Enhanced Cancer Immunotherapy: Immunology Encounters Nanotechnology. Cells, 2020, 9, 2102.	4.1	56
48	Additive antitumour response to the rabbit VX2 hepatoma by combined radio frequency ablation and toll like receptor 9 stimulation. Gut, 2016, 65, 134-143.	12.1	53
49	Management of celiac disease in daily clinical practice. European Journal of Internal Medicine, 2019, 61, 15-24.	2.2	52
50	Targeted therapy of liver fibrosis/cirrhosis and its complications. Journal of Hepatology, 2011, 55, 726-728.	3.7	51
51	SiRNA-mediated in vivo gene knockdown by acid-degradable cationic nanohydrogel particles. Journal of Controlled Release, 2017, 248, 10-23.	9.9	51
52	Serum endotrophin identifies optimal responders to PPARÎ³ agonists in type 2 diabetes. Diabetologia, 2017, 60, 50-59.	6.3	51
53	Mitochondrial oxidative injury: a key player in nonalcoholic fatty liver disease. American Journal of Physiology - Renal Physiology, 2020, 319, G400-G411.	3.4	50
54	Comparison of murine steatohepatitis models identifies a dietary intervention with robust fibrosis, ductular reaction, and rapid progression to cirrhosis and cancer. American Journal of Physiology - Renal Physiology, 2020, 318, G174-G188.	3.4	49

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55	Salivary Gluten Degradation and Oral Microbial Profiles in Healthy Individuals and Celiac Disease Patients. Applied and Environmental Microbiology, 2017, 83, .	3.1	47
56	Sourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activity. Foods, 2020, 9, 943.	4.3	47
57	Assessment of liver fibrosis progression and regression by a serological collagen turnover profile. American Journal of Physiology - Renal Physiology, 2019, 316, G25-G31.	3.4	42
58	Wheat ATIs: Characteristics and Role in Human Disease. Frontiers in Nutrition, 2021, 8, 667370.	3.7	42
59	Wheat Consumption Aggravates Colitis in Mice via Amylase Trypsin Inhibitorâ€“mediated Dysbiosis. Gastroenterology, 2020, 159, 257-272.e17.	1.3	41
60	Serum I-FABP Detects Gluten Responsiveness in Adult Celiac Disease Patients on a Short-Term Gluten Challenge. American Journal of Gastroenterology, 2016, 111, 1014-1022.	0.4	40
61	Dietary wheat amylase trypsin inhibitors exacerbate murine allergic airway inflammation. European Journal of Nutrition, 2019, 58, 1507-1514.	3.9	40
62	In Vivo Geneâ€Silencing in Fibrotic Liver by siRNAâ€Loaded Cationic Nanohydrogel Particles. Advanced Healthcare Materials, 2015, 4, 2809-2815.	7.6	39
63	Identification of Pseudolysin (lasB) as an Aciduric Gluten-Degrading Enzyme with High Therapeutic Potential for Celiac Disease. American Journal of Gastroenterology, 2015, 110, 899-908.	0.4	38
64	In Vivo siRNA Delivery to Immunosuppressive Liver Macrophages by Î±-Mannosyl-Functionalized Cationic Nanohydrogel Particles. Cells, 2020, 9, 1905.	4.1	36
65	Tumour-associated circulating microparticles: A novel liquid biopsy tool for screening and therapy monitoring of colorectal carcinoma and other epithelial neoplasia. Oncotarget, 2016, 7, 30867-30875.	1.8	33
66	Co-factors, Microbes, and Immunogenetics in Celiac Disease to Guide Novel Approaches for Diagnosis and Treatment. Gastroenterology, 2021, 161, 1395-1411.e4.	1.3	32
67	Self-reported dietary adherence, disease-specific symptoms, and quality of life are associated with healthcare provider follow-up in celiac disease. BMC Gastroenterology, 2017, 17, 156.	2.0	31
68	TGF-Î²2 silencing to target biliary-derived liver diseases. Gut, 2020, 69, 1677-1690.	12.1	31
69	Chemical modification of pro-inflammatory proteins by peroxynitrite increases activation of TLR4 and NF-ÎºB: Implications for the health effects of air pollution and oxidative stress. Redox Biology, 2020, 37, 101581.	9.0	30
70	Gluten-Free Diet Reduces Symptoms, Particularly Diarrhea, in Patients With Irritable Bowel Syndrome and AntigliadinÂIgG. Clinical Gastroenterology and Hepatology, 2021, 19, 2343-2352.e8.	4.4	30
71	Monitoring Translation Activity of mRNA-Loaded Nanoparticles in Mice. Molecular Pharmaceutics, 2018, 15, 3909-3919.	4.6	27
72	Identification of food-grade subtilisins as gluten-degrading enzymes to treat celiac disease. American Journal of Physiology - Renal Physiology, 2016, 311, G571-G580.	3.4	25

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73	Celiac disease: epidemiology, pathogenesis, diagnosis, and nutritional management. Nutrition in Clinical Care: an Official Publication of Tufts University, 2005, 8, 54-69.	0.2	25
74	Nitration of Wheat Amylase Trypsin Inhibitors Increases Their Innate and Adaptive Immunostimulatory Potential in vitro. Frontiers in Immunology, 2018, 9, 3174.	4.8	24
75	Inducible knockdown of procollagen I protects mice from liver fibrosis and leads to dysregulated matrix genes and attenuated inflammation. Matrix Biology, 2018, 66, 34-49.	3.6	22
76	Effect of Rothia mucilaginosa enzymes on gliadin (gluten) structure, deamidation, and immunogenic epitopes relevant to celiac disease. American Journal of Physiology - Renal Physiology, 2014, 307, G769-G776.	3.4	21
77	Dietary wheat amylase trypsin inhibitors promote features of murine non-alcoholic fatty liver disease. Scientific Reports, 2019, 9, 17463.	3.3	21
78	Wheat Consumption Leads to Immune Activation and Symptom Worsening in Patients with Familial Mediterranean Fever: A Pilot Randomized Trial. Nutrients, 2020, 12, 1127.	4.1	21
79	Hydroxyproline-containing collagen analogs trigger the release and activation of collagen-sequestered proMMP-2 by competition with prodomain-derived peptide P33-42. Fibrogenesis and Tissue Repair, 2011, 4, 1.	3.4	20
80	Podoplanin discriminates distinct stromal cell populations and a novel progenitor subset in the liver. American Journal of Physiology - Renal Physiology, 2016, 310, G1-G12.	3.4	20
81	Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics. Science of the Total Environment, 2018, 612, 767-774.	8.0	19
82	PI3K inhibition reduces murine and human liver fibrogenesis in precision-cut liver slices. Biochemical Pharmacology, 2019, 169, 113633.	4.4	17
83	Î±â€Mannosylâ€Functionalized Cationic Nanohydrogel Particles for Targeted Gene Knockdown in Immunosuppressive Macrophages. Macromolecular Bioscience, 2019, 19, e1900162.	4.1	16
84	Nanoscale distribution of TLR4 on primary human macrophages stimulated with LPS and ATI. Nanoscale, 2019, 11, 9769-9779.	5.6	16
85	Pharmaceutically modified subtilisins withstand acidic conditions and effectively degrade gluten in vivo. Scientific Reports, 2019, 9, 7505.	3.3	16
86	Profiling and targeting connective tissue remodeling in autoimmunity - A novel paradigm for diagnosing and treating chronic diseases. Autoimmunity Reviews, 2021, 20, 102706.	5.8	16
87	pH-degradable, bisphosphonate-loaded nanogels attenuate liver fibrosis by repolarization of M2-type macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122310119.	7.1	16
88	Dietary Wheat Amylase Trypsin Inhibitors Impact Alzheimerâ€™s Disease Pathology in 5xFAD Model Mice. International Journal of Molecular Sciences, 2020, 21, 6288.	4.1	15
89	Fluorescence Correlation Spectroscopy Monitors the Fate of Degradable Nanocarriers in the Blood Stream. Biomacromolecules, 2022, 23, 1065-1074.	5.4	15
90	A structurally engineered fatty acid, icosabutate, suppresses liver inflammation and fibrosis in NASH. Journal of Hepatology, 2022, 76, 800-811.	3.7	15

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91	Monitoring Non-responsive Patients with Celiac Disease. Gastrointestinal Endoscopy Clinics of North America, 2006, 16, 593-603.	1.4	14
92	Junctional adhesion molecules JAM-B and JAM-C promote autoimmune-mediated liver fibrosis in mice. Journal of Autoimmunity, 2018, 91, 83-96.	6.5	14
93	Investigating fibrosis and inflammation in an ex vivo NASH murine model. American Journal of Physiology - Renal Physiology, 2020, 318, G336-G351.	3.4	12
94	Exploring organ-specific features of fibrogenesis using murine precision-cut tissue slices. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165582.	3.8	12
95	Coeliac Disease - New Pathophysiological Findings and Their Implications for Therapy. Viszeralmedizin, 2014, 30, 156-165.	0.0	9
96	Endotrophin, a pro-peptide of Type VI collagen, is a biomarker of survival in cirrhotic patients with hepatocellular carcinoma. Hepatic Oncology, 2021, 8, HEP32.	4.2	9
97	Liquid biomarkers for fibrotic NASH â€“ progress in a complex field. Journal of Hepatology, 2022, 76, 5-7.	3.7	9
98	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. Cells, 2020, 9, 2708.	4.1	8
99	Niemann-Pick type C2 protein supplementation in experimental non-alcoholic fatty liver disease. PLoS ONE, 2018, 13, e0192728.	2.5	7
100	Salivary prolineâ€rich proteins and gluten: Do structural similarities suggest a role in celiac disease?. Proteomics - Clinical Applications, 2015, 9, 953-964.	1.6	6
101	Histamine causes influx via T-type voltage-gated calcium channels in an enterochromaffin tumor cell line: potential therapeutic target in adverse food reactions. American Journal of Physiology - Renal Physiology, 2019, 316, G291-G303.	3.4	6
102	Fibrosis evaluation by transient elastography in alcoholic liver disease: Is the histological scoring system impacting cutoff values?. Hepatology, 2017, 65, 1758-1761.	7.3	5
103	Diagnostic accuracy of a fully automated multiplex celiac disease antibody panel for serum and plasma. Clinical Chemistry and Laboratory Medicine, 2019, 57, 1207-1217.	2.3	5
104	Despite sequence homologies to gluten, salivary proline-rich proteins do not elicit immune responses central to the pathogenesis of celiac disease. American Journal of Physiology - Renal Physiology, 2015, 309, G910-G917.	3.4	4
105	Physicochemical and Preclinical Evaluation of Spermine-Derived Surfactant Liposomes for in Vitro and in Vivo siRNA-Delivery to Liver Macrophages. Molecular Pharmaceutics, 2016, 13, 3636-3647.	4.6	4
106	The Promise of Novel Therapies to Abolish Gluten Immunogenicity in Celiac Disease. Gastroenterology, 2021, 161, 21-24.	1.3	4
107	Is duodenal biopsy required in all patients with suspected celiac disease?. Nature Reviews Gastroenterology & Hepatology, 2008, 5, 70-71.	1.7	3
108	Î²-arrestin: Dr Jekyll and Mr Hyde in NASH and fibrosis. Journal of Hepatology, 2020, 72, 813-815.	3.7	3

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109	Cirrhosis risk score of the donor organ predicts early fibrosis progression after liver transplantation. Journal of Gastrointestinal and Liver Diseases, 2019, 28, 53-61.	0.9	2
110	Refractory coeliac disease: one step closer to the origin of aberrant lymphocytes. Gut, 2013, 62, 485-486.	12.1	1
111	IDDF2019-ABS-0102â€…Comparison of murine steatohepatitis models identifies a dietary intervention with robust fibrosis, ductular reaction and rapid progression to cirrhosis, cancer. , 2019, , .		1
112	Reply to Comment on Huang, X., et al. â€œSourdough Fermentation Degrades Wheat Alpha-Amylase/Trypsin Inhibitor (ATI) and Reduces Pro-Inflammatory Activityâ€• Foods 2020, 9, 943. Foods, 2020, 9, 1405.	4.3	1
113	Depletion of CD56+CD3+ invariant natural killer T cells prevents allergen-induced inflammation in humanized mice. Journal of Allergy and Clinical Immunology, 2021, 148, 1081-1087.e2.	2.9	1
114	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.	2.5	1
115	P68â€…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
116	GPO10, a collagen analog, effectively promotes activation of collagenâ€bound proâ€Matrixâ€Metalloproteinaseâ€2 in fibrotic liver tissue stimulating cell proliferation and migration. FASEB Journal, 2007, 21, A1007.	0.5	0
117	Measurement of Reactive Oxygen and Nitrogen Species in Living Cells Using the Probe 2',7'-Dichlorodihydrofluorescein. Bio-protocol, 2021, 11, e4279.	0.4	0