

Frank U Wei

List of Publications by Year in descending order

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62
papers

5,438
citations

126907

33
h-index

128289

60
g-index

65
all docs

65
docs citations

65
times ranked

6365
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of transactivation of the EGF receptor in signalling by G-protein-coupled receptors. <i>Nature</i> , 1996, 379, 557-560.	27.8	1,422
2	Common genetic variants in the CLDN2 and PRSS1-PRSS2 loci alter risk for alcohol-related and sporadic pancreatitis. <i>Nature Genetics</i> , 2012, 44, 1349-1354.	21.4	303
3	Retinoic Acid Receptor Antagonists Inhibit miR-10a Expression and Block Metastatic Behavior of Pancreatic Cancer. <i>Gastroenterology</i> , 2009, 137, 2136-2145.e7.	1.3	229
4	A degradation-sensitive anionic trypsinogen (PRSS2) variant protects against chronic pancreatitis. <i>Nature Genetics</i> , 2006, 38, 668-673.	21.4	220
5	Tissue Tolerable Plasma (TTP) induces apoptosis in pancreatic cancer cells in vitro and in vivo. <i>BMC Cancer</i> , 2012, 12, 473.	2.6	218
6	Metastatic behaviour of primary human tumours in a zebrafish xenotransplantation model. <i>BMC Cancer</i> , 2009, 9, 128.	2.6	209
7	Cathepsin B-Mediated Activation of Trypsinogen in Endocytosing Macrophages Increases Severity of Pancreatitis in Mice. <i>Gastroenterology</i> , 2018, 154, 704-718.e10.	1.3	168
8	NLRP3 Inflammasome Regulates Development of Systemic Inflammatory Response and Compensatory Anti-Inflammatory Response Syndromes in Mice With Acute Pancreatitis. <i>Gastroenterology</i> , 2020, 158, 253-269.e14.	1.3	162
9	Tumour necrosis factor β secretion induces protease activation and acinar cell necrosis in acute experimental pancreatitis in mice. <i>Gut</i> , 2013, 62, 430-439.	12.1	160
10	A recombined allele of the lipase gene CEL and its pseudogene CELP confers susceptibility to chronic pancreatitis. <i>Nature Genetics</i> , 2015, 47, 518-522.	21.4	157
11	Identification of Genetic Loci Associated With Helicobacter pylori Serologic Status. <i>JAMA - Journal of the American Medical Association</i> , 2013, 309, 1912.	7.4	142
12	Complete cystic fibrosis transmembrane conductance regulator gene sequencing in patients with idiopathic chronic pancreatitis and controls. <i>Gut</i> , 2005, 54, 1456-1460.	12.1	139
13	Hereditary pancreatitis caused by mutation-induced misfolding of human cationic trypsinogen: A novel disease mechanism. <i>Human Mutation</i> , 2009, 30, 575-582.	2.5	137
14	Extracellular Cleavage of E-Cadherin by Leukocyte Elastase During Acute Experimental Pancreatitis in Rats. <i>Gastroenterology</i> , 2005, 129, 1251-1267.	1.3	130
15	Circulating U2 small nuclear RNA fragments as a novel diagnostic biomarker for pancreatic and colorectal adenocarcinoma. <i>International Journal of Cancer</i> , 2013, 132, E48-57.	5.1	126
16	Novel mechanisms of RTK signal generation. <i>Current Opinion in Genetics and Development</i> , 1997, 7, 80-86.	3.3	115
17	Cathepsin L Inactivates Human Trypsinogen, Whereas Cathepsin L-Deletion Reduces the Severity of Pancreatitis in Mice. <i>Gastroenterology</i> , 2010, 138, 726-737.	1.3	110
18	Hereditary Pancreatitis Caused by a Novel PRSS1 Mutation (Arg-122 \rightarrow Cys) That Alters Autoactivation and Autodegradation of Cationic Trypsinogen. <i>Journal of Biological Chemistry</i> , 2002, 277, 5404-5410.	3.4	106

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19	Fucosyltransferase 2 (FUT2) non-secretor status and blood group B are associated with elevated serum lipase activity in asymptomatic subjects, and an increased risk for chronic pancreatitis: a genetic association study. <i>Gut</i> , 2015, 64, 646-656.	12.1	82
20	Insights into the epigenetic mechanisms controlling pancreatic carcinogenesis. <i>Cancer Letters</i> , 2013, 328, 212-221.	7.2	72
21	Complement Component 5 Mediates Development of Fibrosis, via Activation of Stellate Cells, in 2 Mouse Models of Chronic Pancreatitis. <i>Gastroenterology</i> , 2015, 149, 765-776.e10.	1.3	68
22	Angiotensin-2, a Regulator of Vascular Permeability in Inflammation, Is Associated With Persistent Organ Failure in Patients With Acute Pancreatitis From the United States and Germany. <i>American Journal of Gastroenterology</i> , 2010, 105, 2287-2292.	0.4	64
23	Up-regulation, nuclear import, and tumor growth stimulation of the adhesion protein p120ctn in pancreatic cancer. <i>Gastroenterology</i> , 2003, 124, 949-960.	1.3	54
24	A Syngeneic Orthotopic Murine Model of Pancreatic Adenocarcinoma in the C57/BL6 Mouse Using the Panc02 and 6606PDA Cell Lines. <i>European Surgical Research</i> , 2011, 47, 98-107.	1.3	54
25	Drug Efflux Transporter Multidrug Resistance-Associated Protein 5 Affects Sensitivity of Pancreatic Cancer Cell Lines to the Nucleoside Anticancer Drug 5-Fluorouracil. <i>Drug Metabolism and Disposition</i> , 2011, 39, 132-139.	3.3	54
26	Pancreatic cancer risk in hereditary pancreatitis. <i>Frontiers in Physiology</i> , 2014, 5, 70.	2.8	50
27	Protein tyrosine phosphatase Å and SHP-1 are involved in the regulation of cell-cell contacts at adherens junctions in the exocrine pancreas. <i>Gut</i> , 2005, 54, 1445-1455.	12.1	47
28	Environmental Risk Factors for Chronic Pancreatitis and Pancreatic Cancer. <i>Digestive Diseases</i> , 2011, 29, 235-242.	1.9	46
29	The variable phenotype of the p.A16V mutation of cationic trypsinogen (PRSS1) in pancreatitis families. <i>Gut</i> , 2010, 59, 357-363.	12.1	45
30	Induction of M2-macrophages by tumour cells and tumour growth promotion by M2-macrophages: A quid pro quo in pancreatic cancer. <i>Pancreatology</i> , 2013, 13, 508-516.	1.1	43
31	Development and Validation of a Chronic Pancreatitis PrognosisÅScore in 2 Independent Cohorts. <i>Gastroenterology</i> , 2017, 153, 1544-1554.e2.	1.3	43
32	Spontaneous and Sporadic Trypsinogen Mutations in Idiopathic Pancreatitis. <i>JAMA - Journal of the American Medical Association</i> , 2002, 288, 2122-2122.	7.4	41
33	The number of tandem repeats in the carboxyl-ester lipase (CEL) gene as a risk factor in alcoholic and idiopathic chronic pancreatitis. <i>Pancreatology</i> , 2013, 13, 29-32.	1.1	38
34	Acute and Chronic Pancreatitis in Patients with Inborn Errors of Metabolism. <i>Pancreatology</i> , 2001, 1, 448-456.	1.1	31
35	Cathepsin B gene polymorphism Val26 is not associated with idiopathic chronic pancreatitis in European patients. <i>Gut</i> , 2007, 56, 1322-1323.	12.1	31
36	Keratin 8 sequence variants in patients with pancreatitis and pancreatic cancer. <i>Journal of Molecular Medicine</i> , 2006, 84, 1015-1022.	3.9	29

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37	New advances in pancreatic cell physiology and pathophysiology. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2008, 22, 3-15.	2.4	26
38	Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) improves the innate immune response and enhances survival in murine polymicrobial sepsis. <i>Critical Care Medicine</i> , 2010, 38, 2169-2174.	0.9	26
39	Identification and validation of a multivariable prediction model based on blood plasma and serum metabolomics for the distinction of chronic pancreatitis subjects from non-pancreas disease control subjects. <i>Gut</i> , 2021, 70, 2150-2158.	12.1	25
40	Irritable bowel syndrome, mental health, and quality of life: Data from a population-based survey in Germany (SHIP-Trend). <i>Neurogastroenterology and Motility</i> , 2019, 31, e13511.	3.0	21
41	Specificity of a Polyclonal Fecal Elastase ELISA for CELA3. <i>PLoS ONE</i> , 2016, 11, e0159363.	2.5	20
42	Gene Conversion Between Cationic Trypsinogen (<i>PRSS1</i>) and the Pseudogene Trypsinogen 6 (<i>PRSS3P2</i>) in Patients with Chronic Pancreatitis. <i>Human Mutation</i> , 2015, 36, 350-356.	2.5	19
43	Acute Pancreatitis: Genetic Risk and Clinical Implications. <i>Journal of Clinical Medicine</i> , 2021, 10, 190.	2.4	16
44	Toll-like receptor 4 polymorphisms in German and US patients are not associated with occurrence or severity of acute pancreatitis. <i>Gut</i> , 2010, 59, 1154-1155.	12.1	15
45	Association Analysis of Genetic Variants in the Myosin IXB Gene in Acute Pancreatitis. <i>PLoS ONE</i> , 2013, 8, e85870.	2.5	14
46	Fatal cerebro-renal oxalosis after appendectomy. <i>International Journal of Legal Medicine</i> , 2004, 118, 98-100.	2.2	13
47	Advances in the Etiology of Chronic Pancreatitis. <i>Digestive Diseases</i> , 2010, 28, 324-329.	1.9	13
48	ABO blood type B and fucosyltransferase 2 non-secretor status as genetic risk factors for chronic pancreatitis. <i>Gut</i> , 2016, 65, 353-354.	12.1	13
49	Local Clustering of <i>PRSS1</i> R122H Mutations in Hereditary Pancreatitis Patients From Northern Germany. <i>American Journal of Gastroenterology</i> , 2008, 103, 2585-2588.	0.4	11
50	Experimental pancreatitis is characterized by rapid T cell activation, Th2 differentiation that parallels disease severity, and improvement after CD4+ T cell depletion. <i>Pancreatology</i> , 2020, 20, 1637-1647.	1.1	11
51	NMR Metabolomics Reveal Urine Markers of Microbiome Diversity and Identify Benzoate Metabolism as a Mediator between High Microbial Alpha Diversity and Metabolic Health. <i>Metabolites</i> , 2022, 12, 308.	2.9	11
52	Germline Mutations and Gene Polymorphism Associated With Human Pancreatitis. <i>Endocrinology and Metabolism Clinics of North America</i> , 2006, 35, 289-302.	3.2	10
53	Functional characterisation of the CFTR mutations M348V and A1087P from patients with pancreatitis suggests functional interaction between CFTR monomers. <i>Gut</i> , 2009, 58, 733-734.	12.1	7
54	The Inhibitory Response to PI3K/AKT Pathway Inhibitors MK-2206 and Buparlisib Is Related to Genetic Differences in Pancreatic Ductal Adenocarcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4295.	4.1	5

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55	Genetic polymorphisms in the UDP-glucuronosyltransferase UGT1A7 gene in patients with acute liver failure after kava-kava consumption. Archives of Toxicology, 2015, 89, 2173-2174.	4.2	4
56	Variations in trypsinogen expression may influence the protective effect of the p.G191R PRSS2 variant in chronic pancreatitis. Gut, 2009, 58, 749-750.	12.1	3
57	Surgical Trauma Leads to a Shorter Survival in a Murine Orthotopic Pancreatic Cancer Model. European Surgical Research, 2015, 54, 87-94.	1.3	3
58	Lipase gene fusion: a new route to chronic pancreatitis. Oncotarget, 2015, 6, 30443-30444.	1.8	3
59	Inhibitory Response to CK II Inhibitor Simitasertib and CDKs Inhibitor Dinaciclib Is Related to Genetic Differences in Pancreatic Ductal Adenocarcinoma Cell Lines. International Journal of Molecular Sciences, 2022, 23, 4409.	4.1	3
60	Chronische Pankreatitis: Pathogenese, molekulare Pathophysiologie und genetische VerÄnderungen. Visceral Medicine, 2001, 17, 278-281.	1.3	0
61	Diagnostic workup of patients with pancreatic diseases. European Surgery - Acta Chirurgica Austriaca, 2009, 41, 268-279.	0.7	0
62	Liver injury and genetic polymorphisms in the cytochrome P450 and UDP-glucuronosyltransferase genes. Archives of Toxicology, 2016, 90, 229-230.	4.2	0