Arthur Kaser

List of Publications by Year
in descending order

81 papers	12,919 citations	70409 40 h-index	45512 88 g-index
95 all docs	95 docs citations	95 times ranked	26554 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	11.6	4,789
2	XBP1 Links ER Stress to Intestinal Inflammation and Confers Genetic Risk for Human Inflammatory Bowel Disease. Cell, 2008, 134, 743-756.	27.7	1,248
3	Paneth cells as a site of origin for intestinal inflammation. Nature, 2013, 503, 272-276.	35.8	625
4	The unfolded protein response in immunity and inflammation. Nature Reviews Immunology, 2016, 16, 469-484.	22.2	619
5	Induction therapy with the selective interleukin-23 inhibitor risankizumab in patients with moderate-to-severe Crohn's disease: a randomised, double-blind, placebo-controlled phase 2 study. Lancet, The, 2017, 389, 1699-1709.	12.1	380
6	Cholangiocytes derived from human induced pluripotent stem cells for disease modeling and drug validation. Nature Biotechnology, 2015, 33, 845-852.	20.6	336
7	Lipocalin 2 Protects from Inflammation and Tumorigenesis Associated with Gut Microbiota Alterations. Cell Host and Microbe, 2016, 19, 455-469.	11.0	263
8	Protective mucosal immunity mediated by epithelial CD1d and IL-10. Nature, 2014, 509, 497-502.	35.8	177
9	Dietary lipids fuel GPX4-restricted enteritis resembling Crohnâ€™s disease. Nature Communications, 2020, 11, 1775.	13.0	166
10	Defective ATG16L1-mediated removal of IRE1Î± drives Crohnâ€™s diseaseâ€“like ileitis. Journal of Experimental Medicine, 2017, 214, 401-422.	8.7	144
11	Long-term Efficacy of Vedolizumab for Crohnâ€™s Disease. Journal of Crohn's and Colitis, 2017, 11, jjw176.	1.3	143
12	HOTAIR and its surrogate DNA methylation signature indicate carboplatin resistance in ovarian cancer. Genome Medicine, 2015, 7, 108.	8.5	142
13	Long-term Efficacy of Vedolizumab for Ulcerative Colitis. Journal of Crohn's and Colitis, 2017, 11, jjw177.	1.3	141
14	Autophagy, Microbial Sensing, Endoplasmic Reticulum Stress, and Epithelial Function in Inflammatory Bowel Disease. Gastroenterology, 2011, 140, 1738-1747.e2.	1.4	135
15	Characterization of animal models for primary sclerosing cholangitis (PSC). Journal of Hepatology, 2014, 60, 1290-1303.	3.9	135
16	C13orf31 (FAMIN) is a central regulator of immunometabolic function. Nature Immunology, 2016, 17, 1046-1056.	13.7	135
17	Risankizumab in patients with moderate to severe Crohn's disease: an open-label extension study. The Lancet Gastroenterology and Hepatology, 2018, 3, 671-680.	8.2	133
18	ATG16L1 orchestrates interleukin-22 signaling in the intestinal epithelium via cGASâ€“STING. Journal of Experimental Medicine, 2018, 215, 2868-2886.	8.7	132

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19	ER stress transcription factor Xbp1 suppresses intestinal tumorigenesis and directs intestinal stem cells. Journal of Experimental Medicine, 2013, 210, 2041-2056.	8.7	121
20	Endoplasmic reticulum stress in the intestinal epithelium and inflammatory bowel disease. Seminars in Immunology, 2009, 21, 156-163.	5.8	111
21	Macrophage metabolic reprogramming presents a therapeutic target in lupus nephritis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15160-15171.	7.5	109
22	Epithelial calcineurin controls microbiota-dependent intestinal tumor development. Nature Medicine, 2016, 22, 506-515.	29.9	99
23	Endoplasmic reticulum stress: implications for inflammatory bowel disease pathogenesis. Current Opinion in Gastroenterology, 2010, 26, 318-326.	2.3	95
24	Epithelial IL-23R Signaling Licenses Protective IL-22 Responses in Intestinal Inflammation. Cell Reports, 2016, 16, 2208-2218.	6.3	92
25	GM-CSF Calibrates Macrophage Defense and Wound Healing Programs during Intestinal Infection and Inflammation. Cell Reports, 2020, 32, 107857.	6.3	92
26	Interleukin-22 orchestrates a pathological endoplasmic reticulum stress response transcriptional programme in colonic epithelial cells. Gut, 2020, 69, 578-590.	13.5	91
27	The biliary epithelium presents antigens to and activates natural killer T cells. Hepatology, 2015, 62, 1249-1259.	8.1	87
28	Activating Transcription Factor 6 Mediates Inflammatory Signals in Intestinal Epithelial Cells Upon Endoplasmic Reticulum Stress. Gastroenterology, 2020, 159, 1357-1374.e10.	1.4	84
29	Two microbiota subtypes identified in irritable bowel syndrome with distinct responses to the low FODMAP diet. Gut, 2022, 71, 1821-1830.	13.5	79
30	The unfolded protein response and gastrointestinal disease. Seminars in Immunopathology, 2013, 35, 307-319.	6.3	75
31	Paneth Cell Alertness to Pathogens Maintained by Vitamin D Receptors. Gastroenterology, 2021, 160, 1269-1283.	1.4	74
32	GPR35 promotes glycolysis, proliferation, and oncogenic signaling by engaging with the sodium potassium pump. Science Signaling, 2019, 12, .	5.2	62
33	Intestinal epithelial cell endoplasmic reticulum stress promotes MULT1 up-regulation and NKG2D-mediated inflammation. Journal of Experimental Medicine, 2017, 214, 2985-2997.	8.7	54
34	Interleukin-23 in the Pathogenesis of Inflammatory Bowel Disease and Implications for Therapeutic Intervention. Journal of Crohn's and Colitis, 2022, 16, ii3-ii19.	1.3	50
35	FAMIN Is a Multifunctional Purine Enzyme Enabling the Purine Nucleotide Cycle. Cell, 2020, 180, 278-295.e23.	27.7	47
36	Activation of the GPR35 pathway drives angiogenesis in the tumour microenvironment. Gut, 2022, 71, 509-520.	13.5	47

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37	The unfolded protein response and its role in intestinal homeostasis and inflammation. Experimental Cell Research, 2011, 317, 2772-2779.	2.6	46
38	Reversal of murine alcoholic steatohepatitis by pepducin-based functional blockade of interleukin-8 receptors. Gut, 2017, 66, 930-938.	13.5	44
39	Microsomal triglyceride transfer protein regulates endogenous and exogenous antigen presentation by groupâ€„1 CD1 molecules. European Journal of Immunology, 2008, 38, 2351-2359.	3.3	39
40	SREBP1-induced fatty acid synthesis depletes macrophages antioxidant defences to promote their alternative activation. Nature Metabolism, 2021, 3, 1150-1162.	11.2	39
41	Control of CD1d-restricted antigen presentation and inflammation by sphingomyelin. Nature Immunology, 2019, 20, 1644-1655.	13.7	38
42	Not all monoclonals are created equal â€“ Lessons from failed drug trials in Crohn's disease. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2014, 28, 437-449.	2.4	37
43	Role of NKT Cells in the Digestive System. III. Role of NKT cells in intestinal immunity. American Journal of Physiology - Renal Physiology, 2007, 293, G1101-G1105.	3.5	34
44	Impaired Autophagy in CD11b ⁺ Dendritic Cells Expands CD4 ⁺ Regulatory T Cells and Limits Atherosclerosis in Mice. Circulation Research, 2019, 125, 1019-1034.	6.4	34
45	Long-Term Safety and Efficacy of Risankizumab Treatment in Patients with Crohnâ€™s Disease: Results from the Phase 2 Open-Label Extension Study. Journal of Crohn's and Colitis, 2021, 15, 2001-2010.	1.3	31
46	PUFA-Induced Metabolic Enteritis as a Fuel for Crohnâ€™s Disease. Gastroenterology, 2022, 162, 1690-1704.	1.4	31
47	Generation of primary human intestinal T cell transcriptomes reveals differential expression at genetic risk loci for immune-mediated disease. Gut, 2015, 64, 250-259.	13.5	30
48	Trial summary and protocol for a phase II randomised placebo-controlled double-blinded trial of Interleukin 1 blockade in Acute Severe Colitis: the IASO trial. BMJ Open, 2019, 9, e023765.	2.1	29
49	IDO1+ Paneth cells promote immune escape of colorectal cancer. Communications Biology, 2020, 3, 252.	4.5	29
50	Genetically determined epithelial dysfunction and its consequences for microfloraâ€“host interactions. Cellular and Molecular Life Sciences, 2011, 68, 3643-3649.	5.4	28
51	CD1d-Restricted pathways in hepatocytes control local natural killer T cell homeostasis and hepatic inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10449-10454.	7.5	27
52	A purine metabolic checkpoint that prevents autoimmunity and autoinflammation. Cell Metabolism, 2022, 34, 106-124.e10.	15.7	26
53	Genetic Risk of Severe Covid-19. New England Journal of Medicine, 2020, 383, 1590-1591.	29.7	25
54	Paneth cells and inflammation dance together in Crohn's disease. Cell Research, 2008, 18, 1160-1162.	12.1	22

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55	A role for oncostatin M in inflammatory bowel disease. Nature Medicine, 2017, 23, 535-536.	29.9	22
56	New Insights Into the Regulation of Natural-Killer Group 2 Member D (NKG2D) and NKG2D-Ligands: Endoplasmic Reticulum Stress and CEA-Related Cell Adhesion Molecule 1. Frontiers in Immunology, 2018, 9, 1324.	4.8	21
57	Epithelial X-Box Binding Protein 1 Coordinates Tumor Protein p53-Driven DNA Damage Responses and Suppression of Intestinal Carcinogenesis. Gastroenterology, 2022, 162, 223-237.e11.	1.4	18
58	Survive an innate immune response through XBP1. Cell Research, 2010, 20, 506-507.	12.1	16
59	Î±4Î²7integrin: beyond T cell trafficking. Gut, 2014, 63, 1377-1379.	13.5	15
60	Paternal chronic colitis causes epigenetic inheritance of susceptibility to colitis. Scientific Reports, 2016, 6, 31640.	3.4	15
61	<i>ATG16L1</i>Crohn's disease risk stresses the endoplasmic reticulum of Paneth cells. Gut, 2014, 63, 1038-1039.	13.5	14
62	Intelectin-1 binds and alters the localization ofÂthe mucus barrierâ€"modifying bacteriumÂ<i>Akkermansia muciniphila</i>. Journal of Experimental Medicine, 2023, 220, .	8.7	14
63	Adaptive immunity in inflammatory bowel disease: state of the art. Current Opinion in Gastroenterology, 2008, 24, 455-461.	2.3	13
64	IOIBD Recommendations for Clinical Trials in Ulcerative Proctitis: The PROCTRIAL Consensus. Clinical Gastroenterology and Hepatology, 2022, 20, 2619-2627.e1.	4.7	13
65	Failure of interleukin 13 blockade in ulcerative colitis. Gut, 2015, 64, 857-858.	13.5	12
66	IBD Genetics: Focus on (Dys) Regulation in Immune Cells and the Epithelium. Gastroenterology, 2014, 146, 896-899.	1.4	10
67	The road to Crohn's disease. Science, 2017, 357, 976-977.	19.8	10
68	A histone deacetylase 3 and mitochondrial complex I axis regulates toxic formaldehyde production. Science Advances, 2023, 9, .	10.8	9
69	Stressful genetics in Crohn's disease. Nature, 2014, 506, 441-442.	35.8	7
70	Introduction: the unfolded protein responseâ€™s role in disease pathophysiology. Seminars in Immunopathology, 2013, 35, 255-257.	6.3	6
71	A HIF independent oxygen-sensitive pathway for controlling cholesterol synthesis. Nature Communications, 2023, 14, .	13.0	6
72	Lessons from type I interferons in ulcerative colitis. Gut, 2011, 60, 430-431.	13.5	4

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73	Discovery of Biomarkers of Response in Early Drug Development. Journal of Crohn's and Colitis, 2016, 10, S560-S566.	1.3	4
74	Endoplasmic Reticulum Stress Is Implicated in Intestinal Failureâ€"Associated Liver Disease. Journal of Parenteral and Enteral Nutrition, 2016, 40, 431-436.	2.7	4
75	Personalized Treatment in Inflammatory Bowel Disease: For Another Time. Gastroenterology, 2018, 155, 963-964.	1.4	3
76	Finding the right target for drug-resistant inflammatory bowel disease. Nature Medicine, 2021, 27, 1870-1871.	29.9	3
77	CD1d-Restricted T Cell Pathways at the Epithelial-Lymphocyte-Luminal Interface. Journal of Pediatric Gastroenterology and Nutrition, 2004, 39, S719-S722.	1.7	2
78	Prostanoids put a brake on necroptosis in IBD. Nature Cell Biology, 2021, 23, 680-681.	9.9	2
79	Is IL-6 Back in trans Signaling for Inflammatory Bowel Disease?. Gastroenterology, 2021, 160, 2247-2249.	1.4	1
80	The gastrointestinal tract is a major source of the acute metformin-stimulated rise in GDF15. Scientific Reports, 2024, 14, .	3.4	1
81	Novel aspects of autoimmunity. Immunology and Cell Biology, 2016, 94, 917-917.	2.6	0