

# Atsushi Umemura

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

4,200  
citations

236612

25  
h-index

118652

62  
g-index

79  
all docs

79  
docs citations

79  
times ranked

8050  
citing authors

#	ARTICLE	IF	CITATIONS
1	NF- $\kappa$ B Restricts Inflammasome Activation via Elimination of Damaged Mitochondria. <i>Cell</i> , 2016, 164, 896-910.	13.5	859
2	ER Stress Cooperates with Hypernutrition to Trigger TNF-Dependent Spontaneous HCC Development. <i>Cancer Cell</i> , 2014, 26, 331-343.	7.7	412
3	Hybrid Periportal Hepatocytes Regenerate the Injured Liver without Giving Rise to Cancer. <i>Cell</i> , 2015, 162, 766-779.	13.5	394
4	p62, Upregulated during Preneoplasia, Induces Hepatocellular Carcinogenesis by Maintaining Survival of Stressed HCC-Initiating Cells. <i>Cancer Cell</i> , 2016, 29, 935-948.	7.7	353
5	Genetic Polymorphisms of the Human PNPLA3 Gene Are Strongly Associated with Severity of Non-Alcoholic Fatty Liver Disease in Japanese. <i>PLoS ONE</i> , 2012, 7, e38322.	1.1	228
6	Liver Damage, Inflammation, and Enhanced Tumorigenesis after Persistent mTORC1 Inhibition. <i>Cell Metabolism</i> , 2014, 20, 133-144.	7.2	162
7	Loss of liver E-cadherin induces sclerosing cholangitis and promotes carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1090-1095.	3.3	104
8	Risk estimation model for nonalcoholic fatty liver disease in the Japanese using multiple genetic markers. <i>PLoS ONE</i> , 2018, 13, e0185490.	1.1	104
9	Stress-Activated NRF2-MDM2 Cascade Controls Neoplastic Progression in Pancreas. <i>Cancer Cell</i> , 2017, 32, 824-839.e8.	7.7	97
10	Nonalcoholic fatty liver disease and nonalcoholic steatohepatitis in Japan. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2011, 26, 153-162.	1.4	93
11	Effect of sodium glucose cotransporter 2 inhibitor on liver function tests in Japanese patients with non-alcoholic fatty liver disease and type 2 diabetes mellitus. <i>Hepatology Research</i> , 2017, 47, 1072-1078.	1.8	72
12	NRF2 activates growth factor genes and downstream AKT signaling to induce mouse and human hepatomegaly. <i>Journal of Hepatology</i> , 2020, 72, 1182-1195.	1.8	71
13	High expression of p300 in HCC predicts shortened overall survival in association with enhanced epithelial mesenchymal transition of HCC cells. <i>Cancer Letters</i> , 2011, 310, 140-147.	3.2	70
14	p38 $\beta$ Inhibits Liver Fibrogenesis and Consequent Hepatocarcinogenesis by Curtailing Accumulation of Reactive Oxygen Species. <i>Cancer Research</i> , 2013, 73, 215-224.	0.4	65
15	Genome-wide DNA methylation analysis in hepatocellular carcinoma. <i>Oncology Reports</i> , 2016, 35, 2228-2236.	1.2	65
16	Effect of 12-week dulaglutide therapy in Japanese patients with biopsy-proven non-alcoholic fatty liver disease and type 2 diabetes mellitus. <i>Hepatology Research</i> , 2017, 47, 1206-1211.	1.8	64
17	Development of hepatocellular carcinoma in Japanese patients with biopsy-proven non-alcoholic fatty liver disease: Association between PNPLA3 genotype and hepatocarcinogenesis/fibrosis progression. <i>Hepatology Research</i> , 2017, 47, 1083-1092.	1.8	61
18	Efficacy and safety of canagliflozin in type 2 diabetes mellitus patients with biopsy-proven nonalcoholic steatohepatitis classified as stage 1&ndash;3 fibrosis. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2018, Volume 11, 835-843.	1.1	60

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19	Impact of Relative Dose Intensity of Early-phase Lenvatinib Treatment on Therapeutic Response in Hepatocellular Carcinoma. <i>Anticancer Research</i> , 2019, 39, 5149-5156.	0.5	57
20	Association of gankyrin protein expression with early clinical stages and insulin-like growth factor-binding protein 5 expression in human hepatocellular carcinoma. <i>Hepatology</i> , 2008, 47, 493-502.	3.6	52
21	Blockade of IL-6 signaling exacerbates liver injury and suppresses antiapoptotic gene expression in methionine choline-deficient diet-Fed db/db mice. <i>Laboratory Investigation</i> , 2011, 91, 609-618.	1.7	52
22	Blockade of interleukin 6 signalling ameliorates systemic insulin resistance through upregulation of glucose uptake in skeletal muscle and improves hepatic steatosis in high-fat diet fed mice. <i>Liver International</i> , 2015, 35, 550-561.	1.9	38
23	Oncogenic miR-96-5p inhibits apoptosis by targeting the caspase-9 gene in hepatocellular carcinoma. <i>International Journal of Oncology</i> , 2018, 53, 237-245.	1.4	35
24	Inhibiting SCAP/SREBP exacerbates liver injury and carcinogenesis in murine nonalcoholic steatohepatitis. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	33
25	Current status and future prospects of chemotherapy for advanced hepatocellular carcinoma. <i>Clinical Journal of Gastroenterology</i> , 2016, 9, 184-190.	0.4	31
26	Artificial intelligence/neural network system for the screening of nonalcoholic fatty liver disease and nonalcoholic steatohepatitis. <i>Hepatology Research</i> , 2021, 51, 554-569.	1.8	28
27	Influence of lifestyle-related diseases and age on the development and progression of non-alcoholic fatty liver disease. <i>Hepatology Research</i> , 2015, 45, 548-559.	1.8	27
28	Combination of PNPLA3 and TLL1 polymorphism can predict advanced fibrosis in Japanese patients with nonalcoholic fatty liver disease. <i>Journal of Gastroenterology</i> , 2018, 53, 438-448.	2.3	24
29	Clinicopathological features of liver injury in patients with type 2 diabetes mellitus and comparative study of histologically proven nonalcoholic fatty liver diseases with or without type 2 diabetes mellitus. <i>Journal of Gastroenterology</i> , 2013, 48, 515-525.	2.3	23
30	Insulin resistance increases the risk of incident type 2 diabetes mellitus in patients with non-alcoholic fatty liver disease. <i>Hepatology Research</i> , 2018, 48, E42-E51.	1.8	23
31	Effect of pemafibrate on fatty acid levels and liver enzymes in non-alcoholic fatty liver disease patients with dyslipidemia: A single-arm, pilot study. <i>Hepatology Research</i> , 2020, 50, 1328-1336.	1.8	23
32	Epidemiology, Pathogenesis, and Diagnostic Strategy of Diabetic Liver Disease in Japan. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4337.	1.8	21
33	Attenuated effect of PNPLA3 on hepatic fibrosis by HSD17B13 in Japanese patients with non-alcoholic fatty liver disease. <i>Liver International</i> , 2020, 40, 1686-1692.	1.9	21
34	Hepatic nucleotide binding oligomerization domain-like receptors pyrin domain-containing 3 inflammasomes are associated with the histologic severity of non-alcoholic fatty liver disease. <i>Hepatology Research</i> , 2017, 47, 1459-1468.	1.8	20
35	Increase in the skeletal muscle mass to body fat mass ratio predicts the decline in transaminase in patients with nonalcoholic fatty liver disease. <i>Journal of Gastroenterology</i> , 2019, 54, 160-170.	2.3	20
36	Presence of varices in patients after hepatitis C virus eradication predicts deterioration in the FIB-4 index. <i>Hepatology Research</i> , 2019, 49, 473-478.	1.8	19

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37	Case Report: Chronic Adaptive Deep Brain Stimulation Personalizing Therapy Based on Parkinsonian State. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 702961.	1.0	19
38	Hepatocyte-specific fibroblast growth factor 21 overexpression ameliorates high-fat diet-induced obesity and liver steatosis in mice. <i>Laboratory Investigation</i> , 2022, 102, 281-289.	1.7	19
39	Early Tumor Shrinkage as a Predictive Factor for Outcomes in Hepatocellular Carcinoma Patients Treated with Lenvatinib: A Multicenter Analysis. <i>Cancers</i> , 2020, 12, 754.	1.7	18
40	Association of coronary artery calcification with liver fibrosis in Japanese patients with nonalcoholic fatty liver disease. <i>Hepatology Research</i> , 2016, 46, 1107-1117.	1.8	17
41	In vivo selection of transduced hematopoietic stem cells and little evidence of their conversion into hepatocytes in vivo. <i>Journal of Hepatology</i> , 2006, 45, 681-687.	1.8	16
42	Liver stiffness measurement to platelet ratio index predicts the stage of liver fibrosis in nonalcoholic fatty liver disease. <i>Hepatology Research</i> , 2017, 47, 721-730.	1.8	16
43	Clinical and pathological features of sarcopenia-related indices in patients with nonalcoholic fatty liver disease. <i>Hepatology Research</i> , 2019, 49, 627-636.	1.8	16
44	FIB-4 Index and Diabetes Mellitus Are Associated with Chronic Kidney Disease in Japanese Patients with Non-Alcoholic Fatty Liver Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 171.	1.8	16
45	Erythropoietin and long-acting erythropoiesis stimulating agent ameliorate non-alcoholic fatty liver disease by increasing lipolysis and decreasing lipogenesis via EPOR/STAT pathway. <i>Biochemical and Biophysical Research Communications</i> , 2019, 509, 306-313.	1.0	15
46	A novel rapid immunoassay of serum type IV collagen 7S for the diagnosis of fibrosis stage of nonalcoholic fatty liver diseases. <i>Hepatology Research</i> , 2021, 51, 263-276.	1.8	12
47	White matter and nigral alterations in multiple system atrophy-parkinsonian type. <i>Npj Parkinson's Disease</i> , 2021, 7, 96.	2.5	10
48	Novel artificial intelligent/neural network system for staging of nonalcoholic steatohepatitis. <i>Hepatology Research</i> , 2021, 51, 1044-1057.	1.8	9
49	White matter alterations in Parkinson's disease with levodopa-induced dyskinesia. <i>Parkinsonism and Related Disorders</i> , 2021, 90, 8-14.	1.1	9
50	Real-world efficacy of daclatasvir and asunaprevir with respect to resistance-associated substitutions. <i>World Journal of Hepatology</i> , 2017, 9, 1064.	0.8	9
51	Honokiol Acts as a Potent Anti-Fibrotic Agent in the Liver through Inhibition of TGF- $\beta$ 1/SMAD Signaling and Autophagy in Hepatic Stellate Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13354.	1.8	9
52	Hepatic steatosis in chronic hepatitis C patients infected with genotype 2 is associated with insulin resistance, hepatic fibrosis and affects cumulative positivity of serum hepatitis C virus RNA in peginterferon and ribavirin combination therapy. <i>Hepatology Research</i> , 2011, 41, 1145-1152.	1.8	8
53	Effect of Sodium Glucose Cotransporter 2 Inhibitors on Renal Function in Patients with Nonalcoholic Fatty Liver Disease and Type 2 Diabetes in Japan. <i>Diagnostics</i> , 2020, 10, 86.	1.3	8
54	The Effect of Genetic Polymorphism in Response to Body Weight Reduction in Japanese Patients with Nonalcoholic Fatty Liver Disease. <i>Genes</i> , 2021, 12, 628.	1.0	8

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55	Dopamine transporter imaging predicts motor responsiveness to levodopa challenge in patients with Parkinson's disease: A pilot study of DATSCAN for subthalamic deep brain stimulation. <i>Journal of the Neurological Sciences</i> , 2018, 385, 134-139.	0.3	7
56	PPAR $\alpha$ agonist and metformin co-treatment ameliorates NASH in mice induced by a choline-deficient, amino acid-defined diet with 45% fat. <i>Scientific Reports</i> , 2020, 10, 19578.	1.6	7
57	Honokiol Prevents Non-Alcoholic Steatohepatitis-Induced Liver Cancer via EGFR Degradation through the Glucocorticoid Receptor-MIG6 Axis. <i>Cancers</i> , 2021, 13, 1515.	1.7	7
58	Loss of PAR-3 protein expression is associated with invasion, lymph node metastasis, and poor survival in esophageal squamous cell carcinoma. <i>Human Pathology</i> , 2017, 62, 134-140.	1.1	6
59	Tyrosine Kinase Inhibitors Stimulate HLA Class I Expression by Augmenting the IFN $\gamma$ /STAT1 Signaling in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2021, 11, 707473.	1.3	6
60	Enhanced Antitumor Effect in Liver Cancer by Amino Acid Depletion-Induced Oxidative Stress. <i>Frontiers in Oncology</i> , 2021, 11, 758549.	1.3	6
61	Hepatitis C virus eradication prolongs overall survival in hepatocellular carcinoma patients receiving molecular-targeted agents. <i>Journal of Gastroenterology</i> , 2022, 57, 90-98.	2.3	6
62	Potential Therapeutic Targets and Promising Agents for Combating NAFLD. <i>Biomedicines</i> , 2022, 10, 901.	1.4	6
63	Intrahepatic Tumor Burden as a Novel Factor Influencing the Introduction of Second-line Chemotherapy for Hepatocellular Carcinoma. <i>Anticancer Research</i> , 2020, 40, 3953-3960.	0.5	5
64	Comparison of peg-interferon, ribavirin plus telaprevir/simeprevir by propensity score matching. <i>World Journal of Hepatology</i> , 2015, 7, 2841.	0.8	5
65	Aging-associated impairment in metabolic compensation by subcutaneous adipose tissue promotes diet-induced fatty liver disease in mice. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 1473-1492.	1.1	4
66	Effectiveness and safety of chronic hepatitis C treatment with direct-acting antivirals in patients with rheumatic diseases: A case-series. <i>Modern Rheumatology</i> , 2020, 30, 1009-1015.	0.9	4
67	Prediction of a favorable clinical course in hepatitis C virus carriers with persistently normal serum alanine aminotransferase levels: A long-term follow-up study. <i>Hepatology Research</i> , 2013, 43, 557-562.	1.8	3
68	Impact of Insufficient Response with an Increase in Tumor Number in Predicting Transcatheter Arterial Chemoembolization Refractoriness for Hepatocellular Carcinoma. <i>Digestive Diseases</i> , 2018, 36, 385-394.	0.8	3
69	Loss of KAP3 decreases intercellular adhesion and impairs intracellular transport of laminin in signet ring cell carcinoma of the stomach. <i>Scientific Reports</i> , 2022, 12, 5050.	1.6	3
70	The Appropriate Opportunity for Evaluating Liver Fibrosis by Using the FIB-4 Index in Patients with Nonalcoholic Fatty Liver Disease in Japan. <i>Diagnostics</i> , 2020, 10, 842.	1.3	2
71	SOX2 enhances cell survival and induces resistance to apoptosis under serum starvation conditions through the AKT/GSK $\beta$ signaling pathway in esophageal squamous cell carcinoma. <i>Oncology Letters</i> , 2021, 21, 269.	0.8	2
72	Stability Enhancement of Small-Scale Power Grid with Renewable Power Sources by Variable Speed Diesel Power Plant*. <i>Journal of Power and Energy Engineering</i> , 2020, 08, 1-17.	0.3	2

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73	A case report of successful treatment with a cholesterol absorption inhibitor for decompensated burned-out NASH. <i>Acta Hepatologica Japonica</i> , 2009, 50, 532-539.	0.0	1
74	Treatment extension may benefit female genotype 1 chronic hepatitis C patients with complete early virological response to peginterferon- $\alpha$ 2b and ribavirin combination therapy. <i>Hepatology Research</i> , 2012, 42, 966-973.	1.8	0
75	TUBB3 E410K Syndrome With Childhood-Onset Nonalcoholic Steatohepatitis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, , .	1.8	0
76	Abstract A138: Identification of key immune regulators that control obesity-induced liver inflammation and diseases. , 2016, , .		0
77	A Simple and Accurate AI System for Screening Nonalcoholic Fatty Liver Disease and Diagnosing Fibrosis Stage of Nonalcoholic Steatohepatitis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
78	The Association between the Platelet Count and Liver Volume in Compensated Cirrhosis Patients after the Eradication of Hepatitis C virus by Direct-acting Antivirals. <i>Internal Medicine</i> , 2020, 59, 1811-1817.	0.3	0