## Pei-Chien Tsai

List of Publications by Year in descending order

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109137 64668 7,177 122 35 79 citations h-index g-index papers 125 125 125 12911 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	DNA methylation-based measures of biological age: meta-analysis predicting time to death. Aging, 2016, 8, 1844-1865.	1.4	786
2	Epigenome-wide association study of body mass index, and the adverse outcomes of adiposity. Nature, 2017, 541, 81-86.	13.7	743
3	Epigenome-Wide Scans Identify Differentially Methylated Regions for Age and Age-Related Phenotypes in a Healthy Ageing Population. PLoS Genetics, 2012, 8, e1002629.	1.5	620
4	Obesity accelerates epigenetic aging of human liver. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15538-15543.	3.3	620
5	Silver nanoparticles in dye effluent treatment: A review on synthesis, treatment methods, mechanisms, photocatalytic degradation, toxic effects and mitigation of toxicity. Journal of Photochemistry and Photobiology B: Biology, 2020, 205, 111823.	1.7	261
6	Metabolomic markers reveal novel pathways of ageing and early development in human populations. International Journal of Epidemiology, 2013, 42, 1111-1119.	0.9	241
7	Increased Risk of Diabetes and Polychlorinated Biphenyls and Dioxins. Diabetes Care, 2008, 31, 1574-1579.	4.3	191
8	Power and sample size estimation for epigenome-wide association scans to detect differential DNA methylation. International Journal of Epidemiology, 2015, 44, 1429-1441.	0.9	178
9	Significant Predictive Factors for Prognosis of Primary Upper Urinary Tract Cancer after Radical Nephroureterectomy in Taiwanese Patients. European Urology, 2008, 54, 1127-1135.	0.9	175
10	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. American Journal of Human Genetics, 2017, 101, 888-902.	2.6	154
11	GWAS of epigenetic aging rates in blood reveals a critical role for TERT. Nature Communications, 2018, 9, 387.	5.8	151
12	Regulatory variants at KLF14 influence type 2 diabetes risk via a female-specific effect on adipocyte size and body composition. Nature Genetics, 2018, 50, 572-580.	9.4	143
13	Serum microRNA-21 and microRNA-221 as Potential Biomarkers for Cerebrovascular Disease. Journal of Vascular Research, 2013, 50, 346-354.	0.6	134
14	MicroRNA-195 regulates vascular smooth muscle cell phenotype and prevents neointimal formation. Cardiovascular Research, 2012, 95, 517-526.	1.8	132
15	Baseline gamma-glutamyl transferase levels strongly correlate with hepatocellular carcinoma development in non-cirrhotic patients with successful hepatitis C virus eradication. Journal of Hepatology, 2014, 61, 67-74.	1.8	110
16	Epigenetic associations of type 2 diabetes and BMI in an Arab population. Clinical Epigenetics, 2016, 8, 13.	1.8	110
17	coMET: visualisation of regional epigenome-wide association scan results and DNA co-methylation patterns. BMC Bioinformatics, 2015, 16, 131.	1.2	104
18	Circulating microRNAs have a sex-specific association with metabolic syndrome. Journal of Biomedical Science, 2013, 20, 72.	2.6	96

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19	Huge Gap Between Clinical Efficacy and Community Effectiveness in the Treatment of Chronic Hepatitis C. Medicine (United States), 2015, 94, e690.	0.4	94
20	MicroRNA-93 inhibits tumor growth and early relapse of human colorectal cancer by affecting genes involved in the cell cycle. Carcinogenesis, 2012, 33, 1522-1530.	1.3	90
21	Age-dependent changes in mean and variance of gene expression across tissues in a twin cohort. Human Molecular Genetics, 2018, 27, 732-741.	1.4	77
22	Tenofovir Versus Entecavir for Hepatocellular Carcinoma Prevention in an International Consortium of Chronic Hepatitis B. American Journal of Gastroenterology, 2020, 115, 271-280.	0.2	72
23	Cure With Interferonâ€Free Directâ€Acting Antiviral Is Associated With Increased Survival in Patients With Hepatitis C Virusâ€Related Hepatocellular Carcinoma From Both East and West. Hepatology, 2020, 71, 1910-1922.	3.6	70
24	Computational Analysis of mRNA Expression Profiles Identifies MicroRNA-29a/c as Predictor of Colorectal Cancer Early Recurrence. PLoS ONE, 2012, 7, e31587.	1.1	68
25	Hepatocellular carcinoma recurrence after direct-acting antiviral therapy: an individual patient data meta-analysis. Gut, 2022, 71, 593-604.	6.1	62
26	Hepatitis B-related outcomes following direct-acting antiviral therapy in Taiwanese patients with chronic HBV/HCV co-infection. Journal of Hepatology, 2020, 73, 62-71.	1.8	60
27	Increased liver and lupus mortalities in 24-year follow-up of the Taiwanese people highly exposed to polychlorinated biphenyls and dibenzofurans. Science of the Total Environment, 2007, 374, 216-222.	3.9	58
28	Glutathione S-transferase polymorphisms associated with risk of breast cancer in southern Taiwan. Breast, 2006, 15, 754-761.	0.9	50
29	Multiple genetic polymorphisms in the prediction of clinical outcome of metastatic colorectal cancer patients treated with first-line FOLFOX-4 chemotherapy. Pharmacogenetics and Genomics, 2011, 21, 18-25.	0.7	49
30	Epigenome-wide Association of DNA Methylation in Whole Blood With Bone Mineral Density. Journal of Bone and Mineral Research, 2017, 32, 1644-1650.	3.1	49
31	Exploring the molecular basis of age-related disease comorbidities using a multi-omics graphical model. Scientific Reports, 2016, 6, 37646.	1.6	45
32	Neurocognitive Changes among Elderly Exposed to PCBs/PCDFs in Taiwan. Environmental Health Perspectives, 2008, 116, 184-189.	2.8	43
33	Using epigenome-wide association scans of DNA methylation in age-related complex human traits. Epigenomics, 2012, 4, 511-526.	1.0	42
34	Impact of tumor size on the prognosis of hepatocellular carcinoma in patients who underwent liver resection. Journal of the Chinese Medical Association, 2018, 81, 155-163.	0.6	42
35	Incidences and Determinants of Functional Cure During Entecavir or Tenofovir Disoproxil Fumarate for Chronic Hepatitis B. Journal of Infectious Diseases, 2021, 224, 1890-1899.	1.9	40
36	Unexpected early tumor recurrence in patients with hepatitis C virus-related hepatocellular carcinoma undergoing interferon-free therapy: Issue of the interval between HCC treatment and antiviral therapy. Journal of Hepatology, 2017, 66, 464.	1.8	38

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37	HCC risk post-SVR with DAAs in East Asians: findings from the REAL-C cohort. Hepatology International, 2020, 14, 1023-1033.	1.9	38
38	Mortality after exposure to polychlorinated biphenyls and dibenzofurans: 30 years after the "Yucheng Accident― Environmental Research, 2013, 120, 71-75.	3.7	33
39	Mortality after exposure to polychlorinated biphenyls and polychlorinated dibenzofurans: A meta-analysis of two highly exposed cohorts. International Journal of Cancer, 2015, 137, 1427-1432.	2.3	33
40	Time-Degenerative Factors and the Risk of Hepatocellular Carcinoma after Antiviral Therapy among Hepatitis C Virus Patients: A Model for Prioritization of Treatment. Clinical Cancer Research, 2017, 23, 1690-1697.	3.2	32
41	Prognostic factors associated with the survival of oral and pharyngeal carcinoma in Taiwan. BMC Cancer, 2007, 7, 101.	1.1	31
42	Improved nondominant hand performance on a laparoscopic virtual reality simulator after playing the Nintendo Wii. Surgical Endoscopy and Other Interventional Techniques, 2013, 27, 4224-4231.	1.3	31
43	Genetic and environmental impacts on DNA methylation levels in twins. Epigenomics, 2016, 8, 105-117.	1.0	31
44	Genetics Variants and Serum Levels of MHC Class I Chain-related A in Predicting Hepatocellular Carcinoma Development in Chronic Hepatitis C Patients Post Antiviral Treatment. EBioMedicine, 2017, 15, 81-89.	2.7	30
45	Deep molecular phenotypes link complex disorders and physiological insult to CpG methylation. Human Molecular Genetics, 2018, 27, 1106-1121.	1.4	30
46	Pretreatment glucose status determines HCC development in HCV patients with mild liver disease after curative antiviral therapy. Medicine (United States), 2016, 95, e4157.	0.4	29
47	Risk stratification of non-alcoholic fatty liver disease across body mass index in a community basis. Journal of the Formosan Medical Association, 2020, 119, 89-96.	0.8	29
48	Factors associated with treatment failure of directâ€acting antivirals for chronic hepatitis C: A realâ€world nationwide hepatitis C virus registry programme in Taiwan. Liver International, 2021, 41, 1265-1277.	1.9	29
49	Additive Effect of ANRIL and BRAP Polymorphisms on Ankle-Brachial Index in a Taiwanese Population. Circulation Journal, 2012, 76, 446-452.	0.7	27
50	Enhancement of biofuel production by microalgae using cement flue gas as substrate. Environmental Science and Pollution Research, 2020, 27, 17571-17586.	2.7	26
51	Chromosome 9p21 Genetic Variants Are Associated With Myocardial Infarction But Not With Ischemic Stroke in a Taiwanese Population. Journal of Investigative Medicine, 2011, 59, 926-930.	0.7	24
52	Polymorphisms of Dioxin Receptor Complex Components and Detoxificationâ€Related Genes Jointly Confer Susceptibility to Advancedâ€Stage Endometriosis in the Taiwanese Han Population. American Journal of Reproductive Immunology, 2012, 67, 160-168.	1.2	24
53	DNA Methylation Changes in the <i>IGF1R</i> Gene in Birth Weight Discordant Adult Monozygotic Twins. Twin Research and Human Genetics, 2015, 18, 635-646.	0.3	23
54	Taiwan cobra cardiotoxin III suppresses EGF/EGFR-mediated epithelial-to-mesenchymal transition and invasion of human breast cancer MDA-MB-231 cells. Toxicon, 2016, 111, 108-120.	0.8	23

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55	First-in-Asian double-blind randomized trial to assess the efficacy and safety of insulin sensitizer in nonalcoholic steatohepatitis patients. Hepatology International, 2021, 15, 1136-1147.	1.9	23
56	Epigenome-Wide DNA Methylation in Hearing Ability: New Mechanisms for an Old Problem. PLoS ONE, 2014, 9, e105729.	1.1	23
57	Cardiotoxin III suppresses MDA-MB-231 cell metastasis through the inhibition of EGF/EGFR-mediated signaling pathway. Toxicon, 2012, 60, 734-743.	0.8	22
58	Menstrual effects among women exposed to polychlorinated biphenyls and dibenzofurans. Environmental Research, 2011, 111, 288-294.	3.7	20
59	Sex-specific effect of matrix Metalloproteinase-9 functional promoter polymorphism on carotid artery stiffness. Atherosclerosis, 2012, 223, 416-420.	0.4	19
60	Naphtho[1,2-b]furan-4,5-dione inhibits MDA-MB-231 cell migration and invasion by suppressing Src-mediated signaling pathways. Molecular and Cellular Biochemistry, 2014, 387, 101-111.	1.4	19
61	Extrahepatic Malignancy Among Patients With Chronic Hepatitis C After Antiviral Therapy: A Real-World Nationwide Study on Taiwanese Chronic Hepatitis C Cohort (T-COACH). American Journal of Gastroenterology, 2020, 115, 1226-1235.	0.2	19
62	Effects of Cirrhosis and Diagnosis Scenario in Metabolicâ€Associated Fatty Liver Diseaseâ€Related Hepatocellular Carcinoma. Hepatology Communications, 2021, 5, 122-132.	2.0	19
63	The IL-6/STAT3 pathway upregulates microRNA-125b expression in hepatitis C virus infection. Oncotarget, 2018, 9, 11291-11302.	0.8	19
64	Sex Differential Genetic Effect of Chromosome 9p21 on Subclinical Atherosclerosis. PLoS ONE, 2010, 5, e15124.	1.1	18
65	Integrated multiomics approach identifies calcium and integrin-binding protein-2 as a novel gene for pulse wave velocity. Journal of Hypertension, 2016, 34, 79-87.	0.3	18
66	Role of hepatitis D virus infection in development of hepatocellular carcinoma among chronic hepatitis B patients treated with nucleotide/nucleoside analogues. Scientific Reports, 2021, 11, 8184.	1.6	17
67	The tertiary prevention of hepatocellular carcinoma in chronic hepatitis C patients. Journal of Gastroenterology and Hepatology (Australia), 2015, 30, 1768-1774.	1.4	14
68	Epigenetic Signatures at AQP3 and SOCS3 Engage in Low-Grade Inflammation across Different Tissues. PLoS ONE, 2016, 11, e0166015.	1.1	14
69	Transition rates to cirrhosis and liver cancer by age, gender, disease and treatment status in Asian chronic hepatitis B patients. Hepatology International, 2021, 15, 71-81.	1.9	14
70	Impact of Sofosbuvir-Based Direct-Acting Antivirals on Renal Function in Chronic Hepatitis C Patients With Impaired Renal Function: A Large Cohort Study From the Nationwide HCV Registry Program (TACR). Clinical Gastroenterology and Hepatology, 2022, 20, 1151-1162.e6.	2.4	14
71	Cardiotoxin III suppresses hepatocyte growth factor–stimulated migration and invasion of MDAâ€MBâ€231 cells. Cell Biochemistry and Function, 2014, 32, 485-495.	1.4	13
72	Sofosbuvir/Velpatasvir for HepatitisÂC Virus Infection: Real-World Effectiveness and Safety from a Nationwide Registry in Taiwan. Infectious Diseases and Therapy, 2022, 11, 485-500.	1.8	13

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73	Diagnostic Role of Soluble Fas Ligand Secretion by Peripheral Blood Mononuclear Cells from Patients with Previous Drug-induced Blistering Disease: A Pilot Study. Acta Dermato-Venereologica, 2006, 86, 215-218.	0.6	12
74	Inhibition of Src activation with cardiotoxin III blocks migration and invasion of MDA-MB-231 cells. Toxicon, 2013, 74, 56-67.	0.8	12
75	MicroRNA let-7g cooperates with interferon/ribavirin to repress hepatitis C virus replication. Journal of Molecular Medicine, 2016, 94, 311-320.	1.7	12
76	Ultrasonication-assisted synthesis of gold nanoparticles decorated ultrathin graphitic carbon nitride nanosheets as a highly efficient electrocatalyst for sensitive analysis of caffeic acid in food samples. Applied Nanoscience (Switzerland), 2023, 13, 707-718.	1.6	12
77	Risk of hepatitis C virus related hepatocellular carcinoma between subjects with spontaneous and treatment-induced viral clearance. Oncotarget, 2017, 8, 43925-43933.	0.8	12
78	Multiple mucin genes polymorphisms are associated with gallstone disease in Chinese men. Clinica Chimica Acta, 2011, 412, 599-603.	0.5	11
79	The Association between DNA Copy Number Aberrations at Chromosome 5q22 and Gastric Cancer. PLoS ONE, 2014, 9, e106624.	1.1	11
80	Cardiotoxin III Inhibits Hepatocyte Growth Factorâ€Induced Epithelialâ€Mesenchymal Transition and Suppresses Invasion of MDAâ€MBâ€231 Cells. Journal of Biochemical and Molecular Toxicology, 2016, 30, 12-21.	1.4	11
81	A realâ€world impact of costâ€effectiveness of pegylated interferon/ribavarin regimens on treatmentâ€naà ve chronic hepatitis C patients in Taiwan. Kaohsiung Journal of Medical Sciences, 2017, 33, 44-49.	0.8	11
82	Cytokeratin-18 and uric acid predicts disease severity in Taiwanese nonalcoholic steatohepatitis patients. PLoS ONE, 2017, 12, e0174394.	1.1	11
83	Changing epidemiology and viral interplay of hepatitis B, C and D among injecting drug user-dominant prisoners in Taiwan. Scientific Reports, 2021, 11, 8554.	1.6	11
84	Characteristics and Survival Outcomes of Hepatocellular Carcinoma Developed after HCV SVR. Cancers, 2021, 13, 3455.	1.7	11
85	Association of serial serum major histocompatibility complex class I chainâ€related A measurements with hepatocellular carcinoma in chronic hepatitis C patients after viral eradication. Journal of Gastroenterology and Hepatology (Australia), 2019, 34, 249-255.	1.4	10
86	Significant amelioration of hepatitis C virus infection in a hyperendemic area: longitudinal evidence from the COMPACT Study in Taiwan. BMJ Open, 2021, 11, e042861.	0.8	10
87	Outreach onsite treatment with a simplified pangenotypic direct-acting anti-viral regimen for hepatitis C virus micro-elimination in a prison. World Journal of Gastroenterology, 2022, 28, 263-274.	1.4	10
88	Differential UVC-induced gadd45 gene expression in xeroderma pigmentosum cells. Biochemical and Biophysical Research Communications, 2003, 305, 1109-1115.	1.0	9
89	Clusters of Circulating let-7 Family Tumor Suppressors Are Associated with Clinical Characteristics of Chronic Hepatitis C. International Journal of Molecular Sciences, 2020, 21, 4945.	1.8	9
90	Reduced expression of von Hippel–Lindau gene in subjects exposed to polychlorinated biphenyls and dibenzofurans. Environmental Research, 2008, 108, 247-251.	3.7	8

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91	Rapid and sensitive analytical procedure for biomonitoring of organophosphate pesticide metabolites in human urine samples using a vortexâ€assisted saltâ€induced liquid–liquid microextraction technique coupled with ultraâ€highâ€performance liquid chromatography/tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8565.	0.7	8
92	Serial serologic changes of hepatitis D virus in chronic hepatitis B patients receiving nucleos(t)ides analogues therapy. Journal of Gastroenterology and Hepatology (Australia), 2020, 35, 1886-1892.	1.4	8
93	Role of hepatitis D virus in persistent alanine aminotransferase abnormality among chronic hepatitis B patients treated with nucleotide/nucleoside analogues. Journal of the Formosan Medical Association, 2021, 120, 303-310.	0.8	8
94	Significant down-regulation of growth hormone receptor expression revealed as a new unfavorable prognos- tic factor in hepatitis C virus-related hepatocellular carcinoma. Clinical and Molecular Hepatology, 2021, 27, 313-328.	4.5	8
95	Poly(diphenylamine) and its Nanohybrids for Chemicals and Biomolecules Analysis: A Review. Current Analytical Chemistry, 2020, 17, .	0.6	8
96	Nationwide registry of glecaprevir plus pibrentasvir in the treatment of HCV in Taiwan. Scientific Reports, 2021, 11, 23473.	1.6	8
97	Polymorphism of 270 A > G in BRAP is Associated with Lower Ankle-Brachial Index in a Taiwanese Population. Journal of Atherosclerosis and Thrombosis, 2011, 18, 413-420.	0.9	7
98	Improvement of hyperuricemia in chronic hepatitis C patients receiving directly acting antiviral agents. Journal of Gastroenterology and Hepatology (Australia), 2020, 35, 473-481.	1.4	7
99	Dynamics of PBMC gene expression in hepatitis C virus genotype 1-infected patients during combined peginterferon/ribavirin therapy. Oncotarget, 2016, 7, 61325-61335.	0.8	7
100	Longitudinal renal changes in chronic hepatitis B patients treated with entecavir versus TDF: a REAL-B study. Hepatology International, 2022, 16, 48-58.	1.9	7
101	Anti-HCV antibody titer highly predicts HCV viremia in patients with hepatitis B virus dual-infection. PLoS ONE, 2021, 16, e0254028.	1.1	6
102	Diversity of the association of serum levels and genetic variants of MHC class I polypeptide-related chain A with liver fibrosis in chronic hepatitis C. Oncotarget, 2017, 8, 32618-32625.	0.8	6
103	Dynamics of cytokines predicts risk of hepatocellular carcinoma among chronic hepatitis C patients after viral eradication. World Journal of Gastroenterology, 2022, 28, 140-153.	1.4	6
104	Inhibitory action of naphtho[1,2â€∢i>b)]furanâ€4,5â€dione on hepatocyte growth factorâ€induced migration and invasion of <scp>MDA</scp> â€ <scp>MB</scp> â€231 cells: Mechanisms of action. Clinical and Experimental Pharmacology and Physiology, 2014, 41, 716-726.	0.9	4
105	Identification of groups with poor cost-effectiveness of peginterferon plus ribavirin for na $\tilde{A}$ -ve hepatitis C patients with a real-world cohort and database. Medicine (United States), 2017, 96, e6984.	0.4	4
106	Sustained virological response to hepatitis C therapy does not decrease the incidence of systemic lupus erythematosus or rheumatoid arthritis. Scientific Reports, 2020, 10, 5372.	1.6	4
107	Progression Rates by Age, Sex, Treatment, and Disease Activity by AASLD and EASL Criteria: Data for Precision Medicine. Clinical Gastroenterology and Hepatology, 2022, 20, 874-885.e4.	2.4	4
108	Long-term outcome of liver complications in patients with chronic HBV/HCV co-infection after antiviral therapy: a real-world nationwide study on Taiwanese Chronic Hepatitis C Cohort (T-COACH). Hepatology International, 2021, 15, 1109-1121.	1.9	4

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109	Identification of treatment-experienced hepatitis C patients with poor cost-effectiveness of pegylated interferon plus ribavirin from a real-world cohort. Journal of the Formosan Medical Association, 2018, 117, 54-62.	0.8	3
110	A real world cost effectiveness analysis of interferon-based therapy for HCV na $\tilde{A}$ -ve super-responders. Journal of the Chinese Medical Association, 2018, 81, 670-675.	0.6	3
111	Successful Antiviral Therapy Reduces Risk of Schizophrenia Among Chronic Hepatitis C Patients: A Nationwide Real-World Taiwanese Cohort (T-COACH). Open Forum Infectious Diseases, 2020, 7, ofaa397.	0.4	3
112	Longâ€ŧerm risk of endâ€stage renal diseases with maintenance dialysis among chronic hepatitis C patients after antiviral therapy in Taiwan. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 2247-2254.	1.4	3
113	Less liver fibrosis marker increment in overweight chronic hepatitis B patients observed by age-adjusted Fibrosis-4 Index. BMJ Open Gastroenterology, 2020, 7, e000543.	1.1	3
114	Circulating Let-7 Family Members as Non-Invasive Biomarkers for Predicting Hepatocellular Carcinoma Risk after Antiviral Treatment among Chronic Hepatitis C Patients. Cancers, 2022, 14, 2023.	1.7	3
115	Serum Wisteria floribunda <scp>agglutininâ€positive Macâ€2â€binding</scp> protein expression predicts disease severity in nonalcoholic steatohepatitis patients. Kaohsiung Journal of Medical Sciences, 2022, 38, 261-267.	0.8	2
116	Ledipasvir/sofosbuvir for HCV genotype 1, 2, 4–6 infection: Real-world evidence from a nationwide registry in Taiwan. Journal of the Formosan Medical Association, 2022, 121, 1567-1578.	0.8	2
117	Factors Associated with Significant Platelet Count Improvement in Thrombocytopenic Chronic Hepatitis C Patients Receiving Direct-Acting Antivirals. Viruses, 2022, 14, 333.	1.5	2
118	Low disease awareness as a contributing factor to the high prevalence of hepatitis C infection in Tzukuan, a hyperendemic area of southern Taiwan. Kaohsiung Journal of Medical Sciences, 2022, , .	0.8	2
119	Cardiotoxin III suppresses the invasiveness of MDA-MB-231 cells by targeting proto-oncogene tyrosine-protein kinase Src and reversing mesenchymal-to-epithelial transition. Toxicological and Environmental Chemistry, 2016, 98, 942-958.	0.6	0
120	Reply to "cost effectiveness of hepatitis C treatments: Need for a comprehensive evaluation― Kaohsiung Journal of Medical Sciences, 2017, 33, 586-586.	0.8	0
121	The acceptability of serum sample storage for hepatitis C viral load analysis in chronic hepatitis C patients. Advances in Digestive Medicine, 2019, 6, 58-61.	0.1	0
122	The compound annual growth rate of the fibrosisâ€4 index in chronic hepatitis B patients. Kaohsiung Journal of Medical Sciences, 2022, , .	0.8	0