Jennifer Zhang

List of Publications by Year
in descending order

113 papers	5,267 citations	109264 35 h-index	98753 67 g-index
116 all docs	116 docs citations	116 times ranked	7786 citing authors

#	ARTICLE	IF	CITATIONS
1	Gavage of Fecal Samples From Patients With Colorectal CancerÂPromotes Intestinal Carcinogenesis in Germ-Free andÂConventional Mice. Gastroenterology, 2017, 153, 1621-1633.e6.	0.6	446
2	Dietary cholesterol drives fatty liver-associated liver cancer by modulating gut microbiota and metabolites. Gut, 2021, 70, 761-774.	6.1	382
3	Peptostreptococcus anaerobius Induces Intracellular Cholesterol Biosynthesis in Colon Cells to Induce Proliferation and Causes Dysplasia in Mice. Gastroenterology, 2017, 152, 1419-1433.e5.	0.6	308
4	Animal models of nonâ€alcoholic fatty liver disease: current perspectives and recent advances. Journal of Pathology, 2017, 241, 36-44.	2.1	256
5	Tumor-derived exosomes drive immunosuppressive macrophages in a pre-metastatic niche through glycolytic dominant metabolic reprogramming. Cell Metabolism, 2021, 33, 2040-2058.e10.	7.2	200
6	Chronic Alcohol Exposure Stimulates Adipose Tissue Lipolysis in Mice. American Journal of Pathology, 2012, 180, 998-1007.	1.9	183
7	CXCL10 plays a key role as an inflammatory mediator and a non-invasive biomarker of non-alcoholic steatohepatitis. Journal of Hepatology, 2014, 61, 1365-1375.	1.8	178
8	Probiotic Lactobacillus rhamnosus GG Prevents Liver Fibrosis Through Inhibiting Hepatic Bile Acid Synthesis and Enhancing Bile Acid Excretion in Mice. Hepatology, 2020, 71, 2050-2066.	3.6	178
9	Intestinal HIF-1Î± deletion exacerbates alcoholic liver disease by inducing intestinal dysbiosis and barrier dysfunction. Journal of Hepatology, 2018, 69, 886-895.	1.8	160
10	Multi-dimensional liquid chromatography in proteomicsâ€"A review. Analytica Chimica Acta, 2010, 664, 101-113.	2.6	158
11	Obesity, insulin resistance, NASH and hepatocellular carcinoma. Seminars in Cancer Biology, 2013, 23, 483-491.	4.3	128
12	CXC chemokine receptor 3 promotes steatohepatitis in mice through mediating inflammatory cytokines, macrophages and autophagy. Journal of Hepatology, 2016, 64, 160-170.	1.8	126
13	Discovery of biclonal origin and a novel oncogene SLC12A5 in colon cancer by single-cell sequencing. Cell Research, 2014, 24, 701-712.	5.7	123
14	Macrophage p38Î± promotes nutritional steatohepatitis through M1 polarization. Journal of Hepatology, 2019, 71, 163-174.	1.8	112
15	High-fat diet-induced upregulation of exosomal phosphatidylcholine contributes to insulin resistance. Nature Communications, 2021, 12, 213.	5.8	112
16	O-GlcNAc transferase promotes fatty liver-associated liver cancer through inducing palmitic acid and activating endoplasmic reticulum stress. Journal of Hepatology, 2017, 67, 310-320.	1.8	98
17	Plant-Derived Exosomal Nanoparticles Inhibit Pathogenicity of Porphyromonas gingivalis. IScience, 2019, 21, 308-327.	1.9	98
18	Targeting the vasculature in hepatocellular carcinoma treatment: Starving versus normalizing blood supply. Clinical and Translational Gastroenterology, 2017, 8, e98.	1.3	83

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19	Microbial Community Heterogeneity Within Colorectal Neoplasia and its Correlation With Colorectal Carcinogenesis. Gastroenterology, 2021, 160, 2395-2408.	0.6	74
20	Metabolomic Analysis of the Effects of Chronic Arsenic Exposure in a Mouse Model of Diet-Induced Fatty Liver Disease. Journal of Proteome Research, 2014, 13, 547-554.	1.8	60
21	Defective lysosomal clearance of autophagosomes and its clinical implications in nonalcoholic steatohepatitis. FASEB Journal, 2018, 32, 37-51.	0.2	60
22	<i>CLDN3</i> inhibits cancer aggressiveness via Wnt-EMT signaling and is a potential prognostic biomarker for hepatocellular carcinoma. Oncotarget, 2014, 5, 7663-7676.	0.8	59
23	Significant positive association of endotoxemia with histological severity in 237 patients with nonâ€alcoholic fatty liver disease. Alimentary Pharmacology and Therapeutics, 2017, 46, 175-182.	1.9	58
24	Featured Gut Microbiomes Associated With the Progression of Chronic Hepatitis B Disease. Frontiers in Microbiology, 2020, 11, 383.	1.5	57
25	Integration of flux measurements to resolve changes in anabolic and catabolic metabolism in cardiac myocytes. Biochemical Journal, 2017, 474, 2785-2801.	1.7	55
26	Squalene epoxidase drives cancer cell proliferation and promotes gut dysbiosis to accelerate colorectal carcinogenesis. Gut, 2022, 71, 2253-2265.	6.1	54
27	Simultaneous quantification of straight-chain and branched-chain short chain fatty acids by gas chromatography mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1092, 359-367.	1.2	51
28	Pro-Inflammatory CXCR3 Impairs Mitochondrial Function in Experimental Non-Alcoholic Steatohepatitis. Theranostics, 2017, 7, 4192-4203.	4.6	49
29	The phytochemical polydatin ameliorates nonâ€alcoholic steatohepatitis by restoring lysosomal function and autophagic flux. Journal of Cellular and Molecular Medicine, 2019, 23, 4290-4300.	1.6	49
30	Hepatic protection and anticancer activity of curcuma: A potential chemopreventive strategy against hepatocellular carcinoma. International Journal of Oncology, 2014, 44, 505-513.	1.4	48
31	Protective effect of isoliquiritin against corticosterone-induced neurotoxicity in PC12 cells. Food and Function, 2017, 8, 1235-1244.	2.1	44
32	Integrative metabolomic characterisation identifies altered portal vein serum metabolome contributing to human hepatocellular carcinoma. Gut, 2022, 71, 1203-1213.	6.1	44
33	Garlic exosome-like nanoparticles reverse high-fat diet induced obesity via the gut/brain axis. Theranostics, 2022, 12, 1220-1246.	4.6	44
34	Dysregulation of hepatic zinc transporters in a mouse model of alcoholic liver disease. American Journal of Physiology - Renal Physiology, 2014, 307, G313-G322.	1.6	43
35	Simultaneous Quantification of Nucleosides and Nucleotides from Biological Samples. Journal of the American Society for Mass Spectrometry, 2019, 30, 987-1000.	1.2	43
36	The Role of Gutâ€"Liver Axis in Gut Microbiome Dysbiosis Associated NAFLD and NAFLD-HCC. Biomedicines, 2022, 10, 524.	1.4	42

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37	iMatch2: Compound identification using retention index for analysis of gas chromatography–mass spectrometry data. Journal of Chromatography A, 2014, 1337, 202-210.	1.8	41
38	Decreased ω-6:ω-3 PUFA ratio attenuates ethanol-induced alterations in intestinal homeostasis, microbiota, and liver injury. Journal of Lipid Research, 2019, 60, 2034-2049.	2.0	39
39	Probiotic culture supernatant improves metabolic function through FGF21-adiponectin pathway in mice. Journal of Nutritional Biochemistry, 2020, 75, 108256.	1.9	38
40	Bone marrow–derived macrophage contributes to fibrosing steatohepatitis through activating hepatic stellate cells. Journal of Pathology, 2019, 248, 488-500.	2.1	36
41	miR-375 prevents high-fat diet-induced insulin resistance and obesity by targeting the aryl hydrocarbon receptor and bacterial tryptophanase (*tnaA*) gene. Theranostics, 2021, 11, 4061-4077.	4.6	36
42	Preventing Gut Leakiness and Endotoxemia Contributes to the Protective Effect of Zinc on Alcohol-Induced Steatohepatitis in Rats. Journal of Nutrition, 2015, 145, 2690-2698.	1.3	35
43	Type 2 Diabetes Dysregulates Glucose Metabolism in Cardiac Progenitor Cells. Journal of Biological Chemistry, 2016, 291, 13634-13648.	1.6	35
44	Pre-45s rRNA promotes colon cancer and is associated with poor survival of CRC patients. Oncogene, 2017, 36, 6109-6118.	2.6	34
45	Zinc deficiency exacerbates while zinc supplement attenuates cardiac hypertrophy in high-fat diet-induced obese mice through modulating p38 MAPK-dependent signaling. Toxicology Letters, 2016, 258, 134-146.	0.4	31
46	New insights and therapeutic implication of gut microbiota in non-alcoholic fatty liver disease and its associated liver cancer. Cancer Letters, 2019, 459, 186-191.	3.2	30
47	NAFLD Related-HCC: The Relationship with Metabolic Disorders. Advances in Experimental Medicine and Biology, 2018, 1061, 55-62.	0.8	29
48	C-X-C motif chemokine 10 in non-alcoholic steatohepatitis: role as a pro-inflammatory factor and clinical implication. Expert Reviews in Molecular Medicine, 2016, 18, e16.	1.6	28
49	C-X-C Motif Chemokine 10 Impairs Autophagy and Autolysosome Formation in Non-alcoholic Steatohepatitis. Theranostics, 2017, 7, 2822-2836.	4.6	27
50	The Composition of Colonic Commensal Bacteria According to Anatomical Localization in Colorectal Cancer. Engineering, 2017, 3, 90-97.	3.2	26
51	Ethanol and unsaturated dietary fat induce unique patterns of hepatic ω-6 and ω-3 PUFA oxylipins in a mouse model of alcoholic liver disease. PLoS ONE, 2018, 13, e0204119.	1.1	25
52	Evaluation of disease staging and chemotherapeutic response in non-small cell lung cancer from patient tumor-derived metabolomic data. Lung Cancer, 2021, 156, 20-30.	0.9	25
53	Ras association domain family member 10 suppresses gastric cancer growth by cooperating with GSTP1 to regulate JNK/c-Jun/AP-1 pathway. Oncogene, 2016, 35, 2453-2464.	2.6	24
54	Zinc delays the progression of obesity–related glomerulopathy in mice via down–regulating P38 MAPK–mediated inflammation. Obesity, 2016, 24, 1244-1256.	1.5	23

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55	Untargeted polar metabolomics of transformed MDA-MB-231 breast cancer cells expressing varying levels of human arylamine N-acetyltransferase 1. Metabolomics, 2016, 12, 1.	1.4	23
56	Ginger nanoparticles mediated induction of Foxa2 prevents high-fat diet-induced insulin resistance. Theranostics, 2022, 12, 1388-1403.	4.6	23
57	Pathophysiological mechanisms and therapeutic potentials of macrophages in non-alcoholic steatohepatitis. Expert Opinion on Therapeutic Targets, 2016, 20, 615-626.	1.5	22
58	Disruption of NCOA2 by recurrent fusion with LACTB2 in colorectal cancer. Oncogene, 2016, 35, 187-195.	2.6	22
59	A large scale test dataset to determine optimal retention index threshold based on three mass spectral similarity measures. Journal of Chromatography A, 2012, 1251, 188-193.	1.8	20
60	Activated Natural Killer Cell Promotes Nonalcoholic Steatohepatitis Through Mediating JAK/STAT Pathway. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 257-274.	2.3	20
61	Integration of flux measurements and pharmacological controls to optimize stable isotope-resolved metabolomics workflows and interpretation. Scientific Reports, 2019, 9, 13705.	1.6	18
62	Diet and gut microbiome in fatty liver and its associated liver cancer. Journal of Gastroenterology and Hepatology (Australia), 2022, 37, 7-14.	1.4	18
63	Analysis of stable isotope assisted metabolomics data acquired by GC-MS. Analytica Chimica Acta, 2017, 980, 25-32.	2.6	16
64	A new method of peak detection for analysis of comprehensive two-dimensional gas chromatography mass spectrometry data. Annals of Applied Statistics, 2014, 8, 1209-1231.	0.5	14
65	Docking protein-1 promotes inflammatory macrophage signaling in gastric cancer. OncoImmunology, 2019, 8, e1649961.	2.1	14
66	Integrating comprehensive two-dimensional gas chromatography mass spectrometry and parallel two-dimensional liquid chromatography mass spectrometry for untargeted metabolomics. Analyst, The, 2019, 144, 4331-4341.	1.7	14
67	An ensemble feature selection method for biomarker discovery. , 2017, 2017, 416-421.		13
68	Global Plasma Profiling for Colorectal Cancer-Associated Volatile Organic Compounds: a Proof-of-Principle Study. Journal of Chromatographic Science, 2019, 57, 385-396.	0.7	12
69	Microtubule associated protein 9 inhibits liver tumorigenesis by suppressing ERCC3. EBioMedicine, 2020, 53, 102701.	2.7	12
70	Loss of Rb1 Enhances Glycolytic Metabolism in Kras-Driven Lung Tumors In Vivo. Cancers, 2020, 12, 237.	1.7	12
71	Mouse Models for Application in Colorectal Cancer: Understanding the Pathogenesis and Relevance to the Human Condition. Biomedicines, 2022, 10, 1710.	1.4	12
72	Animal Models of Non-alcoholic Fatty Liver Diseases and Its Associated Liver Cancer. Advances in Experimental Medicine and Biology, 2018, 1061, 139-147.	0.8	10

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73	Discovery of false identification using similarity difference in GC–MS–based metabolomics. Journal of Chemometrics, 2015, 29, 80-86.	0.7	9
74	EIder: A compound identification tool for gas chromatography mass spectrometry data. Journal of Chromatography A, 2016, 1448, 107-114.	1.8	9
75	Discovery of 1,3-diyne compounds as novel and potent antidepressant agents: synthesis, cell-based assay and behavioral studies. RSC Advances, 2017, 7, 16005-16014.	1.7	9
76	Surface fitting for calculating the second dimension retention index in comprehensive two-dimensional gas chromatography mass spectrometry. Journal of Chromatography A, 2018, 1539, 62-70.	1.8	9
77	Integrating Two-Dimensional Gas and Liquid Chromatography-Mass Spectrometry for Untargeted Colorectal Cancer Metabolomics: A Proof-of-Principle Study. Metabolites, 2020, 10, 343.	1.3	9
78	Palbociclib treatment alters nucleotide biosynthesis and glutamine dependency in A549 cells. Cancer Cell International, 2020, 20, 280.	1.8	9
79	Analysis of Metabolomic Profiling Data Acquired on GC–MS. Methods in Enzymology, 2014, 543, 315-324.	0.4	8
80	Global peak alignment for comprehensive two-dimensional gas chromatography mass spectrometry using point matching algorithms. Journal of Bioinformatics and Computational Biology, 2016, 14, 1650032.	0.3	8
81	Normal–Gamma–Bernoulli peak detection for analysis of comprehensive two-dimensional gas chromatography mass spectrometry data. Computational Statistics and Data Analysis, 2017, 105, 96-111.	0.7	8
82	Differential metabolic requirement governed by transcription factor c-Maf dictates innate γδT17 effector functionality in mice and humans. Science Advances, 2022, 8, .	4.7	7
83	Obesity and Cancer. , 2016, , 211-220.		6
84	Coherent point drift peak alignment algorithms using distance and similarity measures for two-dimensional gas chromatography mass spectrometry data. Journal of Chemometrics, 2020, 34, e3236.	0.7	6
85	Complement Component C3: A Novel Biomarker Participating in the Pathogenesis of Non-alcoholic Fatty Liver Disease. Frontiers in Medicine, 2021, 8, 653293.	1.2	5
86	Compute spearman correlation coefficient with Matlab/CUDA. , 2012, , .		4
87	BioNetApp: An interactive visual data analysis platform for molecular expressions. PLoS ONE, 2019, 14, e0211277.	1.1	4
88	Comprehensive Two-Dimensional Gas Chromatography Mass Spectrometry-Based Metabolomics. Advances in Experimental Medicine and Biology, 2021, 1280, 57-67.	0.8	4
89	The investigation of the volatile metabolites of lung cancer from the microenvironment of malignant pleural effusion. Scientific Reports, 2021, 11, 13585.	1.6	4
90	Lung cancer metabolomic data from tumor core biopsies enables risk-score calculation for progression-free and overall survival. Metabolomics, 2022, 18, 31.	1.4	4

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91	Emerging insights on immunotherapy in liver cancer. Antioxidants and Redox Signaling, 0, , .	2.5	4
92	Constructing metabolic association networks using high-dimensional mass spectrometry data. Chemometrics and Intelligent Laboratory Systems, 2014, 138, 193-202.	1.8	3
93	Generalization of Reference System for Calculating the Second Dimension Retention Index in GCâ€‰Ã—â€‰GCâ€“MS. Journal of Analysis and Testing, 2018, 2, 263-273.	2.5	3
94	IDDF2019-ABS-0252â€…Effect of multidonor intensive fecal microbiota transplantation by capsules for active uncreative colitis: a prospective trial. , 2019, , .		2
95	Vitamin Analysis Comparison Study. American Journal of Ophthalmology, 2021, 222, 202-205.	1.7	2
96	Alcohol-driven metabolic reprogramming promotes development of RORÎ³t-deficient thymic lymphoma. Oncogene, 2022, 41, 2287-2302.	2.6	2
97	Statistical Analysis of Gas Chromatography Retention Index Database. , 2011, , .		1
98	IDDF2018-ABS-0201â€…Faecal microbiota transplantation induced HBSAG decline in HBEAG negative chronic hepatitis B patients after long-term antiviral therapy. , 2018, , .		1
99	IDDF2019-ABS-0226â€…The potential intestinal fungal biomarkers in patients with colonic polyps. , 2019, , .		1
100	Combined exposure to polychlorinated biphenyls and high-fat diet modifies the global epitranscriptomic landscape in mouse liver. Environmental Epigenetics, 2021, 7, dvab008.	0.9	1
101	Association Between Living Risk and Healthy Life Years Lost Due to Multimorbidity: Observations From the China Health and Retirement Longitudinal Study. Frontiers in Medicine, 2022, 9, 831544.	1.2	1
102	Comparison of Spectral Similarity Measures for Compound Identification. , 2011, , .		0
103	Stools from Colorectal Cancer Patients Promote Intestinal Carcinogenesis in Animal Models Through Inducing Th17-Mediated Inflammation. Gastroenterology, 2017, 152, S1011.	0.6	0
104	IDDF2018-ABS-0161â€…Gut microbiome across stages of HBV infection. , 2018, , .		0
105	IDDF2018-ABS-0125â€…Overexpression of LNCRNA LINC00460 affects cell proliferation and apoptosis by regulating KLF2 and CUL4A expression in colorectal cancer. , 2018, , .		0
106	IDDF2018-ABS-0225â€…Faecal microbiota transplantation by capsules for active uncreative colitis: a randomised trial. , 2018, , .		0
107	EF-05â€…Androgens regulate microbiota composition, function and protective properties in lupus-prone mice. , 2018, , .		0
108	IDDF2019-ABS-0124â€…Upregulation of the long non-coding RNA LINC00460 promotes gastric cancerprogression by epigenetically silencing P21 via EZH2 and indicates poor outcome. , 2019, , .		0

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109	IDDF2019-ABS-0278â€¦Fusobacterium nucleatum promotes malignant progression of colorectal cancer by activating NF-ƙB/NCOA7-AS1/IKK positive feedback loop. , 2019, , .		0
110	IDDF2019-ABS-0159â€¦Oligofructose ameliorates nonalcoholic fatty liver disease by regulating gut microbiota dysbiosis in mice. , 2019, , .		0
111	IDDF2019-ABS-0158â€¦Fecal microbiota transplantation protects liver from HBV infection. , 2019, , .		0
112	Compound Identification Using Penalized Linear Regression on Metabolomics. Journal of Modern Applied Statistical Methods, 2016, 15, 373-388.	0.2	0
113	Determination of serum metabolites in mouse based on stable isotope-resolved metabolomics. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-6-7.	0.0	0