

# Katharine M Irvine

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

6,162  
citations

101384

36  
h-index

74018

75  
g-index

103  
all docs

103  
docs citations

103  
times ranked

10722  
citing authors

#	ARTICLE	IF	CITATIONS
1	The regulated retrotransposon transcriptome of mammalian cells. <i>Nature Genetics</i> , 2009, 41, 563-571.	9.4	731
2	Histone deacetylases as regulators of inflammation and immunity. <i>Trends in Immunology</i> , 2011, 32, 335-343.	2.9	456
3	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , 2009, 41, 553-562.	9.4	408
4	The portal inflammatory infiltrate and ductular reaction in human nonalcoholic fatty liver disease. <i>Hepatology</i> , 2014, 59, 1393-1405.	3.6	344
5	Conservation and divergence in Toll-like receptor 4-regulated gene expression in primary human versus mouse macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E944-53.	3.3	332
6	Tiny RNAs associated with transcription start sites in animals. <i>Nature Genetics</i> , 2009, 41, 572-578.	9.4	327
7	<i>Gprmb</i> Is Induced in Macrophages by IFN- $\beta$ and Lipopolysaccharide and Acts as a Feedback Regulator of Proinflammatory Responses. <i>Journal of Immunology</i> , 2007, 178, 6557-6566.	0.4	191
8	The Mononuclear Phagocyte System: The Relationship between Monocytes and Macrophages. <i>Trends in Immunology</i> , 2019, 40, 98-112.	2.9	188
9	Differential effects of selective HDAC inhibitors on macrophage inflammatory responses to the Toll-like receptor 4 agonist LPS. <i>Journal of Leukocyte Biology</i> , 2010, 87, 1103-1114.	1.5	163
10	ADGRE1 (EMR1, F4/80) Is a Rapidly-Evolving Gene Expressed in Mammalian Monocyte-Macrophages. <i>Frontiers in Immunology</i> , 2018, 9, 2246.	2.2	149
11	Acute lipopolysaccharide priming boosts inflammasome activation independently of inflammasome sensor induction. <i>Immunobiology</i> , 2012, 217, 1325-1329.	0.8	140
12	Rasputin, more promiscuous than ever: a review of G3BP. <i>International Journal of Developmental Biology</i> , 2004, 48, 1065-1077.	0.3	133
13	Causes and Consequences of Innate Immune Dysfunction in Cirrhosis. <i>Frontiers in Immunology</i> , 2019, 10, 293.	2.2	116
14	Phenotypic impacts of CSF1R deficiencies in humans and model organisms. <i>Journal of Leukocyte Biology</i> , 2020, 107, 205-219.	1.5	97
15	<i>Salmonella</i> employs multiple mechanisms to subvert the TLR-inducible zinc-mediated antimicrobial response of human macrophages. <i>FASEB Journal</i> , 2016, 30, 1901-1912.	0.2	91
16	Data-driven normalization strategies for high-throughput quantitative RT-PCR. <i>BMC Bioinformatics</i> , 2009, 10, 110.	1.2	86
17	Histone Deacetylase 7 Promotes Toll-like Receptor 4-dependent Proinflammatory Gene Expression in Macrophages. <i>Journal of Biological Chemistry</i> , 2013, 288, 25362-25374.	1.6	81
18	Underappreciation of non-alcoholic fatty liver disease by primary care clinicians: limited awareness of surrogate markers of fibrosis. <i>Internal Medicine Journal</i> , 2018, 48, 144-151.	0.5	80

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19	The FANTOM web resource: from mammalian transcriptional landscape to its dynamic regulation. <i>Genome Biology</i> , 2009, 10, R40.	13.9	73
20	A CSF1 receptor kinase inhibitor targets effector functions and inhibits proinflammatory cytokine production from murine macrophage populations. <i>FASEB Journal</i> , 2006, 20, 1921-1923.	0.2	69
21	Colony-stimulating factor-1 (CSF-1) delivers a proatherogenic signal to human macrophages. <i>Journal of Leukocyte Biology</i> , 2009, 85, 278-288.	1.5	69
22	Can paracetamol (acetaminophen) be administered to patients with liver impairment?. <i>British Journal of Clinical Pharmacology</i> , 2016, 81, 210-222.	1.1	69
23	Macrophage Activation and Differentiation Signals Regulate Schlafen-4 Gene Expression: Evidence for Schlafen-4 as a Modulator of Myelopoiesis. <i>PLoS ONE</i> , 2011, 6, e15723.	1.1	67
24	<scp>ELF</scp> score $\geq 9.8$ indicates advanced hepatic fibrosis and is influenced by age, steatosis and histological activity. <i>Liver International</i> , 2015, 35, 1673-1681.	1.9	60
25	A Transgenic Line That Reports CSF1R Protein Expression Provides a Definitive Marker for the Mouse Mononuclear Phagocyte System. <i>Journal of Immunology</i> , 2020, 205, 3154-3166.	0.4	59
26	Senescent human hepatocytes express a unique secretory phenotype and promote macrophage migration. <i>World Journal of Gastroenterology</i> , 2014, 20, 17851-17862.	1.4	57
27	A Pragmatic Approach Identifies a High Rate of Nonalcoholic Fatty Liver Disease With Advanced Fibrosis in Diabetes Clinics and At-Risk Populations in Primary Care. <i>Hepatology Communications</i> , 2018, 2, 897-909.	2.0	54
28	CRIg-expressing peritoneal macrophages are associated with disease severity in patients with cirrhosis and ascites. <i>JCI Insight</i> , 2016, 1, e86914.	2.3	53
29	The Enhanced liver fibrosis score is associated with clinical outcomes and disease progression in patients with chronic liver disease. <i>Liver International</i> , 2016, 36, 370-377.	1.9	51
30	Update of the FANTOM web resource: from mammalian transcriptional landscape to its dynamic regulation. <i>Nucleic Acids Research</i> , 2011, 39, D856-D860.	6.5	49
31	Burden of decompensated cirrhosis and ascites on hospital services in a tertiary care facility: time for change?. <i>Internal Medicine Journal</i> , 2014, 44, 865-872.	0.5	47
32	Differential Effects of CpG DNA on IFN- $\gamma$ Induction and STAT1 Activation in Murine Macrophages versus Dendritic Cells: Alternatively Activated STAT1 Negatively Regulates TLR Signaling in Macrophages. <i>Journal of Immunology</i> , 2007, 179, 3495-3503.	0.4	44
33	CSF1R-dependent macrophages control postnatal somatic growth and organ maturation. <i>PLoS Genetics</i> , 2021, 17, e1009605.	1.5	44
34	Peripheral Blood Monocyte Gene Expression Profile Clinically Stratifies Patients With Recent-Onset Type 1 Diabetes. <i>Diabetes</i> , 2012, 61, 1281-1290.	0.3	43
35	Portal, but not lobular, macrophages express matrix metalloproteinase-9: association with the ductular reaction and fibrosis in chronic hepatitis C. <i>Liver International</i> , 2013, 33, 569-579.	1.9	42
36	PLI.1 and ICSBP control constitutive and IFN- $\gamma$ -regulated Tlr9 gene expression in mouse macrophages. <i>Journal of Leukocyte Biology</i> , 2007, 81, 1577-1590.	1.5	41

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37	Multimorbidity and polypharmacy in diabetic patients with NAFLD. <i>Medicine (United States)</i> , 2017, 96, e6761.	0.4	39
38	Functions of macrophage colony-stimulating factor (CSF1) in development, homeostasis, and tissue repair. <i>Seminars in Immunology</i> , 2021, 54, 101509.	2.7	39
39	Ascites Bacterial Burden and Immune Cell Profile Are Associated with Poor Clinical Outcomes in the Absence of Overt Infection. <i>PLoS ONE</i> , 2015, 10, e0120642.	1.1	38
40	Diagnostic sensitivity of carbohydrate deficient transferrin in heavy drinkers. <i>BMC Gastroenterology</i> , 2014, 14, 97.	0.8	37
41	Deletion of Wntless in myeloid cells exacerbates liver fibrosis and the ductular reaction in chronic liver injury. <i>Fibrogenesis and Tissue Repair</i> , 2015, 8, 19.	3.4	36
42	Fragmentation of tissue-resident macrophages during isolation confounds analysis of single-cell preparations from mouse hematopoietic tissues. <i>Cell Reports</i> , 2021, 37, 110058.	2.9	36
43	Selective induction of the Notch ligand Jagged1 in macrophages by soluble egg antigen from <i>Schistosoma mansoni</i> involves ERK signalling. <i>Immunology</i> , 2009, 127, 326-337.	2.0	35
44	Recombinant Wnt3a and Wnt5a elicit macrophage cytokine production and tolerization to microbial stimulation via Toll-like receptor 4. <i>European Journal of Immunology</i> , 2014, 44, 1480-1490.	1.6	35
45	Analysis of the impact of CSF-1 administration in adult rats using a novel Csf1r-mApple reporter gene. <i>Journal of Leukocyte Biology</i> , 2020, 107, 221-235.	1.5	35
46	Hepatic expression profiling identifies steatosis-independent and steatosis-driven advanced fibrosis genes. <i>JCI Insight</i> , 2018, 3, .	2.3	35
47	Medication-Related Problems in Outpatients With Decompensated Cirrhosis: Opportunities for Harm Prevention. <i>Hepatology Communications</i> , 2019, 3, 620-631.	2.0	33
48	Altered Peripheral Blood Monocyte Phenotype and Function in Chronic Liver Disease: Implications for Hepatic Recruitment and Systemic Inflammation. <i>PLoS ONE</i> , 2016, 11, e0157771.	1.1	33
49	Macrophage colony-stimulating factor increases hepatic macrophage content, liver growth, and lipid accumulation in neonatal rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, G388-G398.	1.6	32
50	The combination of gene perturbation assay and ChIP-chip reveals functional direct target genes for IRF8 in THP-1 cells. <i>Molecular Immunology</i> , 2010, 47, 2295-2302.	1.0	31
51	Immunomodulatory liposomes targeting liver macrophages arrest progression of nonalcoholic steatohepatitis. <i>Metabolism: Clinical and Experimental</i> , 2018, 78, 80-94.	1.5	30
52	Development of a DNA barcode tagging method for monitoring dynamic changes in gene expression by using an ultra high-throughput sequencer. <i>BioTechniques</i> , 2008, 45, 95-97.	0.8	29
53	Multiplex Serum Protein Analysis Identifies Novel Biomarkers of Advanced Fibrosis in Patients with Chronic Liver Disease with the Potential to Improve Diagnostic Accuracy of Established Biomarkers. <i>PLoS ONE</i> , 2016, 11, e0167001.	1.1	29
54	Analysis of homozygous and heterozygous Csf1r knockout in the rat as a model for understanding microglial function in brain development and the impacts of human CSF1R mutations. <i>Neurobiology of Disease</i> , 2021, 151, 105268.	2.1	29

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55	Spatiotemporal Characterization of the Cellular and Molecular Contributors to Liver Fibrosis in a Murine Hepatotoxic-Injury Model. <i>American Journal of Pathology</i> , 2016, 186, 524-538.	1.9	28
56	Prevalence of medication discrepancies in patients with cirrhosis: a pilot study. <i>BMC Gastroenterology</i> , 2016, 16, 114.	0.8	25
57	Osteal macrophages support osteoclast-mediated resorption and contribute to bone pathology in a postmenopausal osteoporosis mouse model. <i>Journal of Bone and Mineral Research</i> , 2021, 36, 2214-2228.	3.1	25
58	Medication beliefs predict medication adherence in ambulatory patients with decompensated cirrhosis. <i>World Journal of Gastroenterology</i> , 2017, 23, 7321-7331.	1.4	25
59	Optimising care of patients with chronic disease: patient-oriented education may improve disease knowledge and self-management. <i>Internal Medicine Journal</i> , 2017, 47, 952-955.	0.5	23
60	Overexpression of miRNA-25-3p inhibits Notch1 signaling and TGF- $\beta$ 2-induced collagen expression in hepatic stellate cells. <i>Scientific Reports</i> , 2019, 9, 8541.	1.6	23
61	ROCK2 inhibition attenuates profibrogenic immune cell function to reverse thioacetamide-induced liver fibrosis. <i>JHEP Reports</i> , 2022, 4, 100386.	2.6	22
62	Inhibitors of class I histone deacetylases attenuate thioacetamide-induced liver fibrosis in mice by suppressing hepatic type 2 inflammation. <i>British Journal of Pharmacology</i> , 2019, 176, 3775-3790.	2.7	21
63	Predicting Liver-Related Outcomes in People With Nonalcoholic Fatty Liver Disease: The Prognostic Value of Noninvasive Fibrosis Tests. <i>Hepatology Communications</i> , 2022, 6, 728-739.	2.0	20
64	Alcohol Consumption in Diabetic Patients with Nonalcoholic Fatty Liver Disease. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2017, 2017, 1-8.	0.8	17
65	Serum matrix metalloproteinase 7 (MMP7) is a biomarker of fibrosis in patients with non-alcoholic fatty liver disease. <i>Scientific Reports</i> , 2021, 11, 2858.	1.6	16
66	Type 2 Diabetes: A Risk Factor for Hospital Readmissions and Mortality in Australian Patients With Cirrhosis. <i>Hepatology Communications</i> , 2020, 4, 1279-1292.	2.0	15
67	The Mononuclear Phagocyte System of the Rat. <i>Journal of Immunology</i> , 2021, 206, 2251-2263.	0.4	15
68	Hospitalisation for cirrhosis in Australia: disparities in presentation and outcomes for Indigenous Australians. <i>International Journal for Equity in Health</i> , 2020, 19, 27.	1.5	14
69	Patterns of service utilisation within Australian hepatology clinics: high prevalence of advanced liver disease. <i>Internal Medicine Journal</i> , 2016, 46, 420-426.	0.5	12
70	Patient-oriented education and medication management intervention for people with decompensated cirrhosis: study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 339.	0.7	12
71	Transcriptomic Analysis of Rat Macrophages. <i>Frontiers in Immunology</i> , 2020, 11, 594594.	2.2	12
72	Treatment with a long-acting chimeric CSF1 molecule enhances fracture healing of healthy and osteoporotic bones. <i>Biomaterials</i> , 2021, 275, 120936.	5.7	11

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73	Controlled attenuation parameter in NAFLD identifies risk of suboptimal glycaemic and metabolic control. <i>Journal of Diabetes and Its Complications</i> , 2018, 32, 799-804.	1.2	10
74	Clinically Significant Fibrosis Is Associated With Longitudinal Increases in Fibrosis-4 and Nonalcoholic Fatty Liver Disease Fibrosis Scores. <i>Clinical Gastroenterology and Hepatology</i> , 2020, 18, 710-718.e4.	2.4	10
75	Effectiveness of patient-oriented education and medication management intervention in people with decompensated cirrhosis. <i>Internal Medicine Journal</i> , 2020, 50, 1142-1146.	0.5	10
76	A kinase-dead <i>Csf1r</i> mutation associated with adult-onset leukoencephalopathy has a dominant inhibitory impact on CSF1R signalling. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	9
77	Assessment of alcohol histories obtained from patients with liver disease: opportunities to improve early intervention. <i>Internal Medicine Journal</i> , 2013, 43, 1096-1102.	0.5	7
78	Inhibition of the master regulator of <i>Listeria monocytogenes</i> virulence enables bacterial clearance from spacious replication vacuoles in infected macrophages. <i>PLoS Pathogens</i> , 2022, 18, e1010166.	2.1	7
79	Therapeutic potential of macrophage colony-stimulating factor in chronic liver disease. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	7
80	<scp>BMI</scp> But Not Stage or Etiology of Nonalcoholic Liver Disease Affects the Diagnostic Utility of Carbohydrate-Deficient Transferrin. <i>Alcoholism: Clinical and Experimental Research</i> , 2013, 37, 1771-1778.	1.4	6
81	Association between the fetal cerebroplacental ratio and biomarkers of hypoxia and angiogenesis in the maternal circulation at term. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020, 245, 198-204.	0.5	6
82	Depressive symptoms in non-alcoholic fatty liver disease are identified by perturbed lipid and lipoprotein metabolism. <i>PLoS ONE</i> , 2022, 17, e0261555.	1.1	6
83	Identifying areas of need relative to liver disease: geographic clustering within a health service district. <i>Australian Health Review</i> , 2017, 41, 407.	0.5	3
84	Towards collaborative management of non-alcoholic fatty liver disease: a "real-world" pathway for fibrosis risk assessment in primary care. <i>Internal Medicine Journal</i> , 2022, 52, 1749-1758.	0.5	3
85	Epidemiology of ascites fluid infections in patients with cirrhosis in Queensland, Australia from 2008 to 2017. <i>Medicine (United States)</i> , 2022, 101, e29217.	0.4	3
86	Liver repercussions of defective gut surveillance. <i>Hepatology</i> , 2012, 56, 1174-1177.	3.6	2
87	Expression profiling pre-diabetic mice to uncover drugs with clinical application to type 1 diabetes. <i>Clinical and Translational Immunology</i> , 2015, 4, e41.	1.7	2
88	Medication Discrepancies and Regimen Complexity in Decompensated Cirrhosis: Implications for Medication Safety. <i>Pharmaceuticals</i> , 2021, 14, 1207.	1.7	1
89	Patient-oriented medication education intervention has long-term benefits for people with decompensated cirrhosis. <i>Hepatology Communications</i> , 2022, 6, 3281-3282.	2.0	1
90	The Impact of CAGE Data on Understanding Macrophage Transcriptional Biology. , 2009, , 227-243.		0

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91	New Paradigms in the Histopathology of NAFLD. <i>Current Hepatology Reports</i> , 2014, 13, 81-87.	0.4	0
92	Response to ELF cut-off points: aetiology is also a relevant factor. <i>Liver International</i> , 2015, 35, 1921-1921.	1.9	0
93	Expression profiling feline peripheral blood monocytes identifies a transcriptional signature associated with type two diabetes mellitus. <i>Veterinary Immunology and Immunopathology</i> , 2017, 186, 1-8.	0.5	0
94	Reply. <i>Hepatology Communications</i> , 2019, 3, 1283-1284.	2.0	0