Matteo Iannacone

List of Publications by Citations

94 papers	5,419 citations	34 h-index	73 g-index
112 ext. papers	6,905 ext. citations	16.2 avg, IF	5.47 L-index

#	Paper	IF	Citations
94	Subcapsular sinus macrophages in lymph nodes clear lymph-borne viruses and present them to antiviral B cells. *Nature*, **2007**, 450, 110-4	50.4	618
93	HMGB1 is an endogenous immune adjuvant released by necrotic cells. *EMBO Reports*, **2004**, 5, 825-30	6.5	504
92	Platelets mediate cytotoxic T lymphocyte-induced liver damage. *Nature Medicine*, **2005**, 11, 1167-9	50.5	262
91	Subcapsular sinus macrophages prevent CNS invasion on peripheral infection with a neurotropic virus. *Nature*, **2010**, 465, 1079-83	50.4	241
90	Antiplatelet therapy prevents hepatocellular carcinoma and improves survival in a mouse model of chronic hepatitis B. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E2165-72	11.5	225
89	Sympathetic neuron-associated macrophages contribute to obesity by importing and metabolizing norepinephrine. *Nature Medicine*, **2017**, 23, 1309-1318	50.5	218
88	Immunosurveillance of the liver by intravascular effector CD8(+) T cells. *Cell*, **2015**, 161, 486-500	56.2	194
87	Reduced expression of the murine p85α subunit of phosphoinositide 3-kinase improves insulin signaling and ameliorates diabetes. *Journal of Clinical Investigation*, **2002**, 109, 141-149	15.9	172
86	CD8 T Cells Orchestrate pDC-XCR1 Dendritic Cell Spatial and Functional Cooperativity to Optimize Priming. *Immunity*, **2017**, 46, 205-219	32.3	170
85	Migrating Platelets Are Mechano-scavengers that Collect and Bundle Bacteria. *Cell*, **2017**, 171, 1368-1382e23	56.2	168
84	Chemokine guidance of central memory T cells is critical for antiviral recall responses in lymph nodes. *Cell*, **2012**, 150, 1249-63	56.2	165
83	Systematic discovery of TLR signaling components delineates viral-sensing circuits. *Cell*, **2011**, 147, 853-67	56.2	148
82	Adjuvant-carrying synthetic vaccine particles augment the immune response to encapsulated antigen and exhibit strong local immune activation without inducing systemic cytokine release. *Vaccine*, **2014**, 32, 2882-95	4.1	124
81	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. *Science*, **2017**, 358, 1622-1626	33.3	116
80	B cell maintenance of subcapsular sinus macrophages protects against a fatal viral infection independent of adaptive immunity. *Immunity*, **2012**, 36, 415-26	32.3	109
79	Treatment with HMGB1 inhibitors diminishes CTL-induced liver disease in HBV transgenic mice. *Journal of Leukocyte Biology*, **2007**, 81, 100-7	6.5	106
78	Platelets prevent IFN-alpha/beta-induced lethal hemorrhage promoting CTL-dependent clearance of lymphocytic choriomeningitis virus. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 629-34	11.5	101

77	Reduced expression of the murine p85alpha subunit of phosphoinositide 3-kinase improves insulin signaling and ameliorates diabetes. *Journal of Clinical Investigation*, **2002**, 109, 141-9	15.9	100
76	Antigen availability determines CD8+ T cell-dendritic cell interaction kinetics and memory fate decisions. *Immunity*, **2013**, 39, 496-507	32.3	99
75	MMPs are required for recruitment of antigen-nonspecific mononuclear cells into the liver by CTLs. *Journal of Clinical Investigation*, **2004**, 113, 1158-1167	15.9	97
74	Kupffer cells hasten resolution of liver immunopathology in mouse models of viral hepatitis. *PLoS Pathogens*, **2011**, 7, e1002061	7.6	88
73	Dynamics and genomic landscape of CD8 T cells undergoing hepatic priming. *Nature*, **2019**, 574, 200-205	50.4	80
72	Follicular helper NKT cells induce limited B cell responses and germinal center formation in the absence of CD4(+) T cell help. *Journal of Immunology*, **2012**, 188, 3217-22	5.3	78
71	HBV pathogenesis in animal models: recent advances on the role of platelets. *Journal of Hepatology* , **2007**, 46, 719-26	13.4	75
70	A luminescent poly(amidoamine)-iridium complex as a new singlet-oxygen sensitizer for photodynamic therapy. *Inorganic Chemistry*, **2015**, 54, 544-53	5.1	65
69	Anti-platelet therapy in the prevention of hepatitis B virus-associated hepatocellular carcinoma. *Journal of Hepatology*, **2013**, 59, 1135-8	13.4	62
68	Constitutive resistance to viral infection in human CD141 dendritic cells. *Science Immunology*, **2017**, 2,	28	62
67	Inflammatory monocytes hinder antiviral B cell responses. *Science Immunology*, **2016**, 1,	28	60
66	The role of lymph node sinus macrophages in host defense. *Annals of the New York Academy of Sciences*, **2014**, 1319, 38-46	6.5	52
65	MMPs are required for recruitment of antigen-nonspecific mononuclear cells into the liver by CTLs. *Journal of Clinical Investigation*, **2004**, 113, 1158-67	15.9	50
64	Antioxidant metabolism regulates CD8+ T memory stem cell formation and antitumor immunity. *JCI Insight*, **2018**, 3,	9.9	49
63	Antiplatelet drug therapy moderates immune-mediated liver disease and inhibits viral clearance in mice infected with a replication-deficient adenovirus. *Vaccine Journal*, **2007**, 14, 1532-5		48
62	Immunobiology and pathogenesis of hepatitis B virus infection. *Nature Reviews Immunology*, **2021**,	36.5	41
61	Phagocytosis-shielded lentiviral vectors improve liver gene therapy in nonhuman primates. *Science Translational Medicine*, **2019**, 11,	17.5	36
60	Effector CD8 T cell-derived interleukin-10 enhances acute liver immunopathology. *Journal of Hepatology*, **2017**, 67, 543-548	13.4	33

59	Spatiotemporal regulation of type I interferon expression determines the antiviral polarization of CD4 T cells. *Nature Immunology*, **2020**, 21, 321-330	19.1	30
58	Platelet-mediated modulation of adaptive immunity. *Seminars in Immunology*, **2016**, 28, 555-560	10.7	29
57	Salivary gland macrophages and tissue-resident CD8 T cells cooperate for homeostatic organ surveillance. *Science Immunology*, **2020**, 5,	28	28
56	The disposal of dying cells in living tissues. *Apoptosis: an International Journal on Programmed Cell Death*, **2002**, 7, 153-61	5.4	26
55	Bisphosphonates target B cells to enhance humoral immune responses. *Cell Reports*, **2013**, 5, 323-30	10.6	25
54	Effector CD8 T cell trafficking within the liver. *Molecular Immunology*, **2013**, 55, 94-9	4.3	24
53	Repositioning T cell polarization from single cytokines to complex help. *Nature Immunology*, **2021**, 22, 1210-1217	19.1	22
52	CXCR3 Identifies Human Naive CD8 T Cells with Enhanced Effector Differentiation Potential. *Journal of Immunology*, **2019**, 203, 3179-3189	5.3	21
51	Immune surveillance of the liver by T cells. *Science Immunology*, **2020**, 5,	28	20
50	IFN gene/cell therapy curbs colorectal cancer colonization of the liver by acting on the hepatic microenvironment. *EMBO Molecular Medicine*, **2016**, 8, 155-70	12	19
49	In vivo flow mapping in complex vessel networks by single image correlation. *Scientific Reports*, **2014**, 4, 7341	4.9	18
48	Acute thrombocytopenia after liver transplant: role of platelet activation, thrombopoietin deficiency and response to high dose intravenous IgG treatment. *Journal of Hepatology*, **2007**, 47, 651-7	13.4	18
47	Determinants of hepatic effector CD8 T cell dynamics. *Journal of Hepatology*, **2017**, 66, 228-233	13.4	17
46	The conduit system exports locally secreted IgM from lymph nodes. *Journal of Experimental Medicine*, **2018**, 215, 2972-2983	16.6	16
45	Mouse Models of Hepatitis B Virus Pathogenesis. *Cold Spring Harbor Perspectives in Medicine*, **2015**, 5,	5.4	15
44	Alum/Toll-Like Receptor 7 Adjuvant Enhances the Expansion of Memory B Cell Compartment Within the Draining Lymph Node. *Frontiers in Immunology*, **2018**, 9, 641	8.4	15
43	The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8 T cells. *Journal of Experimental Medicine*, **2018**, 215, 1869-1890	16.6	15
42	Viral subversion of B cell responses within secondary lymphoid organs. *Nature Reviews Immunology*, **2018**, 18, 255-265	36.5	14

41	COVID-eVax, an electroporated DNA vaccine candidate encoding the SARS-CoV-2 RBD, elicits protective responses in animal models. *Molecular Therapy*, **2021**,	11.7	14
40	Pathogen-specific B-cell receptors drive chronic lymphocytic leukemia by light-chain-dependent cross-reaction with autoantigens. *EMBO Molecular Medicine*, **2017**, 9, 1482-1490	12	13
39	Pathogenetic and antiviral immune responses against hepatitis B virus. *Future Virology*, **2006**, 1, 189-196	2.4	13
38	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).. *European Journal of Immunology*, **2021**, 51, 2708-3145	6.1	12
37	Serum HBsAg clearance has minimal impact on CD8+ T cell responses in mouse models of HBV infection. *Journal of Experimental Medicine*, **2020**, 217,	16.6	12
36	A subset of Kupffer cells regulates metabolism through the expression of CD36. *Immunity*, **2021**, 54, 2101-2116.e6	32.3	12
35	Tr1 cell immunotherapy promotes transplant tolerance via de novo Tr1 cell induction in mice and is safe and effective during acute viral infection. *European Journal of Immunology*, **2018**, 48, 1389-1399	6.1	11
34	On the role of platelets in the pathogenesis of viral hepatitis. *Journal of Hepatology*, **2009**, 51, 599-600	13.4	11
33	Zika Virus Replication in Dorsal Root Ganglia Explants from Interferon Receptor1 Knockout Mice Causes Myelin Degeneration. *Scientific Reports*, **2018**, 8, 10166	4.9	11
32	Hepatic effector CD8(+) T-cell dynamics. *Cellular and Molecular Immunology*, **2015**, 12, 269-72	15.4	10
31	Extrinsic Protein Tyrosine Phosphatase Non-Receptor 22 Signals Contribute to CD8 T Cell Exhaustion and Promote Persistence of Chronic Lymphocytic Choriomeningitis Virus Infection. *Frontiers in Immunology*, **2017**, 8, 811	8.4	10
30	Identification of a Kupffer cell subset capable of reverting the T cell dysfunction induced by hepatocellular priming. *Immunity*, **2021**, 54, 2089-2100.e8	32.3	10
29	The role of type I interferons in CD4 T cell differentiation. *Immunology Letters*, **2019**, 215, 19-23	4.1	9
28	Microcirculation in the murine liver: a computational fluid dynamic model based on 3D reconstruction from in vivo microscopy. *Journal of Biomechanics*, **2017**, 63, 125-134	2.9	8
27	The interaction of CD4 helper T cells with dendritic cells shapes the tumor microenvironment and immune checkpoint blockade response.. *Nature Cancer*, **2022**,	15.4	8
26	Chronic Stimulation Unveils Autoreactive Potential of Wiskott-Aldrich Syndrome Protein-Deficient B Cells. *Frontiers in Immunology*, **2017**, 8, 490	8.4	7
25	PTPN22 controls virally-induced autoimmune diabetes by modulating cytotoxic T lymphocyte responses in an epitope-specific manner. *Clinical Immunology*, **2015**, 156, 98-108	9	7
24	Spatiotemporal dynamics of effector CD8+ T cell responses within the liver. *Journal of Leukocyte Biology*, **2016**, 99, 51-5	6.5	6

23	Intravital Microscopy Analysis of Hepatic T Cell Dynamics. *Methods in Molecular Biology*, **2017**, 1514, 49-61	1.4	6
22	In vivo imaging of adaptive immune responses to viruses. *Current Opinion in Virology*, **2018**, 28, 102-107	7.5	5
21	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. *Science Immunology*, **2022**, 7,	28	5
20	Protective immune trajectories in early viral containment of non-pneumonic SARS-CoV-2 infection.. *Nature Communications*, **2022**, 13, 1018	17.4	5
19	Intravital Imaging of B Cell Responses in Lymph Nodes. *Methods in Molecular Biology*, **2018**, 1763, 63-74	1.4	4
18	Thrombocytopenia and splenic platelet directed immune responses after intravenous ChAdOx1 nCov-19 administration		4
17	A PGE-MEF2A axis enables context-dependent control of inflammatory gene expression. *Immunity*, **2021**, 54, 1665-1682.e14	32.3	4
16	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. *Science Immunology*, **2021**, eabl9929	28	3
15	Intestinal Flossing Keeps Pathogens at Bay. *Developmental Cell*, **2017**, 43, 383-384	10.2	2
14	Pathogenesis of Hepatitis B Virus inTransgenic Mice **2005**, 25, 25-32		1
13	Interferon signaling suppresses the unfolded protein response and induces cell death in hepatocytes accumulating hepatitis B surface antigen. *PLoS Pathogens*, **2021**, 17, e1009228	7.6	1
12	COVID-eVax, an electroporated plasmid DNA vaccine candidate encoding the SARS-CoV-2 Receptor Binding Domain, elicits protective immune responses in animal models of COVID-19		1
11	Controlled administration of aerosolized SARS-CoV-2 to K18-hACE2 transgenic mice uncouples respiratory infection and anosmia from fatal neuroinvasion		1
10	Isolation of mouse Kupffer cells for phenotypic and functional studies. *STAR Protocols*, **2021**, 2, 100831	1.4	0
9	miR-21 sustains CD28 signalling and low-affinity T-cell responses at the expense of self-tolerance. *Clinical and Translational Immunology*, **2021**, 10, e1321	6.8	0
8	Group 1 ILCs regulate T cell-mediated liver immunopathology by controlling local IL-2 availability.. *Science Immunology*, **2022**, 7, eabi6112	28	0
7	Immunological insights in the treatment of chronic hepatitis B.. *Current Opinion in Immunology*, **2022**, 77, 102207	7.8	0
6	Hepatitis B Virus Immunopathogenesis. *Molecular and Translational Medicine*, **2016**, 79-93	0.4	

List of Publications

5	Platelets Mediate Clearance of Lymphocytic Choriomeningitis Virus Infection Preventing Lethal Hemorrhage.. *Blood*, **2006**, 108, 1089-1089	2.2
4	Defective Platelet Thromboxane A2 Signaling and Serotonin Release in the Pathogenesis of Bleeding during Viral Infection. *Blood*, **2019**, 134, 1074-1074	2.2
3	Protective and Pathogenic T Cell Responses to Virus Infections **2016**, 318-323	
2	Role of LFA-1 integrin in the control of a lymphocytic choriomeningitis virus (LCMV) infection. *Virulence*, **2020**, 11, 1640-1655	4.7
1	Arenaviral infection causes bleeding in mice due to reduced serotonin release from platelets.. *Science Signaling*, **2022**, 15, eabb0384	8.8