Matteo Iannacone

List of Publications by Year
in descending order

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101 papers	7,959 citations	66315 42 h-index	53190 85 g-index
112 all docs	112 docs citations	112 times ranked	11705 citing authors

#	Article	IF	Citations
1	Subcapsular sinus macrophages in lymph nodes clear lymph-borne viruses and present them to antiviral B cells. Nature, 2007, 450, 110-114.	13.7	765
2	HMGB1 is an endogenous immune adjuvant released by necrotic cells. EMBO Reports, 2004, 5, 825-830.	2.0	556
3	Sympathetic neuronâ€“associated macrophages contribute to obesity by importing and metabolizing norepinephrine. Nature Medicine, 2017, 23, 1309-1318.	15.2	365
4	Platelets mediate cytotoxic T lymphocyteâ€“induced liver damage. Nature Medicine, 2005, 11, 1167-1169.	15.2	311
5	Subcapsular sinus macrophages prevent CNS invasion on peripheral infection with a neurotropic virus. Nature, 2010, 465, 1079-1083.	13.7	309
6	CD8+ T Cells Orchestrate pDC-XCR1+ Dendritic Cell Spatial and Functional Cooperativity to Optimize Priming. Immunity, 2017, 46, 205-219.	6.6	278
7	Immunosurveillance of the Liver by Intravascular Effector CD8 + T Cells. Cell, 2015, 161, 486-500.	13.5	271
8	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.	3.3	267
9	Migrating Platelets Are Mechano-scavengers that Collect and Bundle Bacteria. Cell, 2017, 171, 1368-1382.e23.	13.5	251
10	Chemokine Guidance of Central Memory T Cells Is Critical for Antiviral Recall Responses in Lymph Nodes. Cell, 2012, 150, 1249-1263.	13.5	204
11	Immunobiology and pathogenesis of hepatitis B virus infection. Nature Reviews Immunology, 2022, 22, 19-32.	10.6	199
12	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). European Journal of Immunology, 2021, 51, 2708-3145.	1.6	198
13	Reduced expression of the murine p85Î± subunit of phosphoinositide 3-kinase improves insulin signaling and ameliorates diabetes. Journal of Clinical Investigation, 2002, 109, 141-149.	3.9	183
14	Systematic Discovery of TLR Signaling Components Delineates Viral-Sensing Circuits. Cell, 2011, 147, 853-867.	13.5	177
15	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. Science, 2017, 358, 1622-1626.	6.0	176
16	Antigen Availability Determines CD8+ T Cell-Dendritic Cell Interaction Kinetics and Memory Fate Decisions. Immunity, 2013, 39, 496-507.	6.6	147
17	B Cell Maintenance of Subcapsular Sinus Macrophages Protects against a Fatal Viral Infection Independent of Adaptive Immunity. Immunity, 2012, 36, 415-426.	6.6	145
18	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, 2882-2895.	1.7	144

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19	Dynamics and genomic landscape of CD8+ T cells undergoing hepatic priming. Nature, 2019, 574, 200-205.	13.7	135
20	Reduced expression of the murine p85Î± subunit of phosphoinositide 3-kinase improves insulin signaling and ameliorates diabetes. Journal of Clinical Investigation, 2002, 109, 141-149.	3.9	124
21	Treatment with HMGB1 inhibitors diminishes CTL-induced liver disease in HBV transgenic mice. Journal of Leukocyte Biology, 2007, 81, 100-107.	1.5	120
22	Platelets prevent IFN-Î±/Î²-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, 629-634.	3.3	119
23	MMPs are required for recruitment of antigen-nonspecific mononuclear cells into the liver by CTLs. Journal of Clinical Investigation, 2004, 113, 1158-1167.	3.9	106
24	Constitutive resistance to viral infection in human CD141 ⁺ dendritic cells. Science Immunology, 2017, 2, .	5.6	99
25	A subset of Kupffer cells regulates metabolism through the expression of CD36. Immunity, 2021, 54, 2101-2116.e6.	6.6	99
26	Kupffer Cells Hasten Resolution of Liver Immunopathology in Mouse Models of Viral Hepatitis. PLoS Pathogens, 2011, 7, e1002061.	2.1	96
27	Inflammatory monocytes hinder antiviral B cell responses. Science Immunology, 2016, 1, .	5.6	93
28	Repositioning TH cell polarization from single cytokines to complex help. Nature Immunology, 2021, 22, 1210-1217.	7.0	91
29	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, 3217-3222.	0.4	90
30	The interaction of CD4+ helper T cells with dendritic cells shapes the tumor microenvironment and immune checkpoint blockade response. Nature Cancer, 2022, 3, 303-317.	5.7	85
31	HBV pathogenesis in animal models: Recent advances on the role of platelets. Journal of Hepatology, 2007, 46, 719-726.	1.8	84
32	Antioxidant metabolism regulates CD8+ T memory stem cell formation and antitumor immunity. JCI Insight, 2018, 3, .	2.3	84
33	Anti-platelet therapy in the prevention of hepatitis B virus-associated hepatocellular carcinoma. Journal of Hepatology, 2013, 59, 1135-1138.	1.8	82
34	A Luminescent Poly(amidoamine)â€“Iridium Complex as a New Singlet-Oxygen Sensitizer for Photodynamic Therapy. Inorganic Chemistry, 2015, 54, 544-553.	1.9	75
35	Identification of a Kupffer cell subset capable of reverting the TÂcell dysfunction induced by hepatocellular priming. Immunity, 2021, 54, 2089-2100.e8.	6.6	73
36	The role of lymph node sinus macrophages in host defense. Annals of the New York Academy of Sciences, 2014, 1319, 38-46.	1.8	66

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37	Phagocytosis-shielded lentiviral vectors improve liver gene therapy in nonhuman primates. Science Translational Medicine, 2019, 11, .	5.8	65
38	MMPs are required for recruitment of antigen-nonspecific mononuclear cells into the liver by CTLs. Journal of Clinical Investigation, 2004, 113, 1158-1167.	3.9	63
39	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. Science Immunology, 2022, 7, .	5.6	61
40	Spatiotemporal regulation of type I interferon expression determines the antiviral polarization of CD4+ T cells. Nature Immunology, 2020, 21, 321-330.	7.0	59
41	Salivary gland macrophages and tissue-resident CD8 ⁺ T cells cooperate for homeostatic organ surveillance. Science Immunology, 2020, 5, .	5.6	57
42	Antiplatelet Drug Therapy Moderates Immune-Mediated Liver Disease and Inhibits Viral Clearance in Mice Infected with a Replication-Deficient Adenovirus. Vaccine Journal, 2007, 14, 1532-1535.	3.2	56
43	COVID-eVax, an electroporated DNA vaccine candidate encoding the SARS-CoV-2 RBD, elicits protective responses in animal models. Molecular Therapy, 2022, 30, 311-326.	3.7	54
44	Effector CD8+ T cell-derived interleukin-10 enhances acute liver immunopathology. Journal of Hepatology, 2017, 67, 543-548.	1.8	48
45	Immune surveillance of the liver by T cells. Science Immunology, 2020, 5, .	5.6	48
46	Thrombocytopenia and splenic platelet-directed immune responses after IV ChAdOx1 nCov-19 administration. Blood, 2022, 140, 478-490.	0.6	40
47	Bisphosphonates Target B Cells to Enhance Humoral Immune Responses. Cell Reports, 2013, 5, 323-330.	2.9	39
48	Platelet-mediated modulation of adaptive immunity. Seminars in Immunology, 2016, 28, 555-560.	2.7	36
49	CXCR3 Identifies Human Naive CD8+ T Cells with Enhanced Effector Differentiation Potential. Journal of Immunology, 2019, 203, 3179-3189.	0.4	34
50	The disposal of dying cells in living tissues. Apoptosis: an International Journal on Programmed Cell Death, 2002, 7, 153-161.	2.2	31
51	Serum HBsAg clearance has minimal impact on CD8+ T cell responses in mouse models of HBV infection. Journal of Experimental Medicine, 2020, 217, .	4.2	31
52	Effector CD8 T cell trafficking within the liver. Molecular Immunology, 2013, 55, 94-99.	1.0	29
53	<scp>IFN</scp>Î± gene/cell therapy curbs colorectal cancer colonization of the liver by acting on the hepatic microenvironment. EMBO Molecular Medicine, 2016, 8, 155-170.	3.3	29
54	The role of type I interferons in CD4+ T cell differentiation. Immunology Letters, 2019, 215, 19-23.	1.1	29

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55	A PGE2-MEF2A axis enables context-dependent control of inflammatory gene expression. Immunity, 2021, 54, 1665-1682.e14.	6.6	27
56	The conduit system exports locally secreted IgM from lymph nodes. Journal of Experimental Medicine, 2018, 215, 2972-2983.	4.2	26
57	Acute thrombocytopenia after liver transplant: Role of platelet activation, thrombopoietin deficiency and response to high dose intravenous IgG treatment. Journal of Hepatology, 2007, 47, 651-657.	1.8	24
58	Mouse Models of Hepatitis B Virus Pathogenesis. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a021477.	2.9	23
59	Determinants of hepatic effector CD8+ T cell dynamics. Journal of Hepatology, 2017, 66, 228-233.	1.8	23
60	The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8+ T cells. Journal of Experimental Medicine, 2018, 215, 1869-1890.	4.2	22
61	In Vivo Flow Mapping in Complex Vessel Networks by Single Image Correlation. Scientific Reports, 2014, 4, 7341.	1.6	21
62	Viral subversion of B cell responses within secondary lymphoid organs. Nature Reviews Immunology, 2018, 18, 255-265.	10.6	21
63	Zika Virus Replication in Dorsal Root Ganglia Explants from Interferon Receptor1 Knockout Mice Causes Myelin Degeneration. Scientific Reports, 2018, 8, 10166.	1.6	20
64	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.	2.2	20
65	Group 1 ILCs regulate T cellâ€“mediated liver immunopathology by controlling local IL-2 availability. Science Immunology, 2022, 7, eabi6112.	5.6	18
66	Pathogenetic and antiviral immune responses against hepatitis B virus. Future Virology, 2006, 1, 189-196.	0.9	17
67	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.	1.6	17
68	On the role of platelets in the pathogenesis of viral hepatitis. Journal of Hepatology, 2009, 51, 599-600.	1.8	16
69	Protective immune trajectories in early viral containment of non-pneumonic SARS-CoV-2 infection. Nature Communications, 2022, 13, 1018.	5.8	16
70	Pathogenâ€specific Bâ€cell receptors drive chronic lymphocytic leukemia by lightâ€chainâ€dependent crossâ€reaction with autoantigens. EMBO Molecular Medicine, 2017, 9, 1482-1490.	3.3	15
71	Hepatic effector CD8+ T-cell dynamics. Cellular and Molecular Immunology, 2015, 12, 269-272.	4.8	13
72	Interferon signaling suppresses the unfolded protein response and induces cell death in hepatocytes accumulating hepatitis B surface antigen. PLoS Pathogens, 2021, 17, e1009228.	2.1	13

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73	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.	0.9	12
74	In Vivo Chronic Stimulation Unveils Autoreactive Potential of Wiskottâ€“Aldrich Syndrome Protein-Deficient B Cells. Frontiers in Immunology, 2017, 8, 490.	2.2	10
75	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.	2.2	10
76	Isolation of mouse Kupffer cells for phenotypic andÂfunctional studies. STAR Protocols, 2021, 2, 100831.	0.5	10
77	In vivo imaging of adaptive immune responses to viruses. Current Opinion in Virology, 2018, 28, 102-107.	2.6	9
78	Heterogeneity of tissue resident memory T cells. Immunology Letters, 2022, 245, 1-7.	1.1	9
79	Intravital Microscopy Analysis of Hepatic T Cell Dynamics. Methods in Molecular Biology, 2017, 1514, 49-61.	0.4	8
80	PTPN22 controls virally-induced autoimmune diabetes by modulating cytotoxic T lymphocyte responses in an epitope-specific manner. Clinical Immunology, 2015, 156, 98-108.	1.4	7
81	Spatiotemporal dynamics of effector CD8+ T cell responses within the liver. Journal of Leukocyte Biology, 2016, 99, 51-55.	1.5	6
82	Microbial uptake in oral mucosaâ€“draining lymph nodes leads to rapid release of cytotoxic CD8 ⁺ T cells lacking a gut-homing phenotype. Science Immunology, 2022, 7, .	5.6	6
83	Response to contamination of isolated mouse Kupffer cells with liver sinusoidal endothelial cells. Immunity, 2022, 55, 1141-1142.	6.6	6
84	Intravital Imaging of B Cell Responses in Lymph Nodes. Methods in Molecular Biology, 2018, 1763, 63-74.	0.4	5
85	Immunological insights in the treatment of chronic hepatitis B. Current Opinion in Immunology, 2022, 77, 102207.	2.4	5
86	Intestinal Flossing Keeps Pathogens at Bay. Developmental Cell, 2017, 43, 383-384.	3.1	3
87	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. Science Immunology, 2021, , eabl9929.	5.6	3
88	Developing a cure for chronic hepatitis B requires a fresh approach. Nature, 2022, 603, S49-S49.	13.7	3
89	Editorial overview: Viral pathogenesis. Current Opinion in Virology, 2015, 11, v-vii.	2.6	2
90	Arenaviral infection causes bleeding in mice due to reduced serotonin release from platelets. Science Signaling, 2022, 15, eabb0384.	1.6	2

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91	Discovery and antiviral profile of new sulfamoylbenzamide derivatives as HBV capsid assembly modulators. Bioorganic and Medicinal Chemistry Letters, 2022, 73, 128904.	1.0	2
92	Pathogenesis of Hepatitis B Virus inTransgenic Mice. , 2005, 25, 25-32.		1
93	Role of LFA-1 integrin in the control of a lymphocytic choriomeningitis virus (LCMV) infection. Virulence, 2020, 11, 1640-1655.	1.8	1
94	miRâ€21 sustains CD28 signalling and lowâ€affinity Tâ€cell responses at the expense of selfâ€tolerance. Clinical and Translational Immunology, 2021, 10, e1321.	1.7	1
95	Protective and Pathogenic T Cell Responses to Virus Infections. , 2016, , 318-323.		1
96	Hepatitis B Virus Immunopathogenesis. Molecular and Translational Medicine, 2016, , 79-93.	0.4	0
97	Platelets Mediate Clearance of Lymphocytic Choriomeningitis Virus Infection Preventing Lethal Hemorrhage.. Blood, 2006, 108, 1089-1089.	0.6	0
98	Migrating Platelets are Mechano-Scavengers That Collect and Bundle Bacteria. SSRN Electronic Journal, 0, , .	0.4	0
99	Defective Platelet Thromboxane A2 Signaling and Serotonin Release in the Pathogenesis of Bleeding during Viral Infection. Blood, 2019, 134, 1074-1074.	0.6	0
100	Heterogeneity in antiviral B cell responses: Lessons from the movies*. Immunological Reviews, 2021, , .	2.8	0
101	Editorial overview: Viral pathogenesis. Current Opinion in Virology, 2022, 55, 101253.	2.6	0