

# Patrick Bertolino

## List of Publications by Year in descending order

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98  
papers

6,032  
citations

87723

38  
h-index

74018

75  
g-index

105  
all docs

105  
docs citations

105  
times ranked

7317  
citing authors

#	ARTICLE	IF	CITATIONS
1	TLR4 activation mediates kidney ischemia/reperfusion injury. <i>Journal of Clinical Investigation</i> , 2007, 117, 2847-2859.	3.9	720
2	Liver-Resident Memory CD8 + T Cells Form a Front-Line Defense against Malaria Liver-Stage Infection. <i>Immunity</i> , 2016, 45, 889-902.	6.6	341
3	T lymphocytes interact with hepatocytes through fenestrations in murine liver sinusoidal endothelial cells. <i>Hepatology</i> , 2006, 44, 1182-1190.	3.6	252
4	The site of primary T cell activation is a determinant of the balance between intrahepatic tolerance and immunity. <i>Journal of Clinical Investigation</i> , 2004, 114, 701-712.	3.9	247
5	Hepatocytes induce functional activation of naive CD8+ T lymphocytes but fail to promote survival. <i>European Journal of Immunology</i> , 1998, 28, 221-236.	1.6	213
6	Antigen-Specific Primary Activation of CD8+ T Cells Within the Liver. <i>Journal of Immunology</i> , 2001, 166, 5430-5438.	0.4	192
7	Autocrine IL-10 impairs dendritic cell (DC)-derived immune responses to mycobacterial infection by suppressing DC trafficking to draining lymph nodes and local IL-12 production. <i>European Journal of Immunology</i> , 2002, 32, 994-1002.	1.6	175
8	A Liver Capsular Network of Monocyte-Derived Macrophages Restricts Hepatic Dissemination of Intraperitoneal Bacteria by Neutrophil Recruitment. <i>Immunity</i> , 2017, 47, 374-388.e6.	6.6	171
9	Growth Enhancement in Suppressor of Cytokine Signaling 2 (SOCS-2)-Deficient Mice Is Dependent on Signal Transducer and Activator of Transcription 5b (STAT5b). <i>Molecular Endocrinology</i> , 2002, 16, 1394-1406.	3.7	145
10	The Liver: A Special Case in Transplantation Tolerance. <i>Seminars in Liver Disease</i> , 2007, 27, 194-213.	1.8	143
11	Peripheral deletion of autoreactive CD8+ T cells in transgenic mice expressing H-2Kb in the liver. <i>European Journal of Immunology</i> , 1995, 25, 1932-1942.	1.6	138
12	Up-regulation of LFA-1 allows liver-resident memory T cells to patrol and remain in the hepatic sinusoids. <i>Science Immunology</i> , 2017, 2, .	5.6	138
13	Hepatocyte entry leads to degradation of autoreactive CD8 T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16735-16740.	3.3	137
14	The site of primary T cell activation is a determinant of the balance between intrahepatic tolerance and immunity. <i>Journal of Clinical Investigation</i> , 2004, 114, 701-712.	3.9	132
15	Role of primary intrahepatic T-cell activation in the "liver tolerance effect". <i>Immunology and Cell Biology</i> , 2002, 80, 84-92.	1.0	130
16	Expression of two T cell receptor $\beta$ chains on the surface of normal murine T cells. <i>European Journal of Immunology</i> , 1995, 25, 1617-1623.	1.6	121
17	Intrahepatic Murine CD8 T-Cell Activation Associates With a Distinct Phenotype Leading to Bim-Dependent Death. <i>Gastroenterology</i> , 2008, 135, 989-997.	0.6	114
18	Intrahepatic immunity: a tale of two sites?. <i>Trends in Immunology</i> , 2005, 26, 512-517.	2.9	104

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19	Suppressor of Cytokine Signaling-1 Attenuates the Duration of Interferon $\hat{I}^3$ Signal Transduction in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2001, 276, 22086-22089.	1.6	95
20	An Atypical Parvovirus Drives Chronic Tubulointerstitial Nephropathy and Kidney Fibrosis. <i>Cell</i> , 2018, 175, 530-543.e24.	13.5	89
21	Death by neglect as a deletional mechanism of peripheral tolerance. <i>International Immunology</i> , 1999, 11, 1225-1238.	1.8	83
22	Cytokine-dependent bystander hepatitis due to intrahepatic murine CD8+ T-cell activation by bone marrow-derived cells. <i>Gastroenterology</i> , 2002, 123, 1252-1264.	0.6	82
23	Antigen expression level threshold tunes the fate of CD8 T cells during primary hepatic immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2540-9.	3.3	81
24	CD8+ T Cell Activation Leads to Constitutive Formation of Liver Tissue-Resident Memory T Cells that Seed a Large and Flexible Niche in the Liver. <i>Cell Reports</i> , 2018, 25, 68-79.e4.	2.9	79
25	Cell-mediated rejection results in allograft loss after liver cell transplantation. <i>Liver Transplantation</i> , 2008, 14, 688-694.	1.3	76
26	miR-181a mediates TGF $\beta$ -induced hepatocyte EMT and is dysregulated in cirrhosis and hepatocellular cancer. <i>Liver International</i> , 2015, 35, 240-253.	1.9	71
27	Selective Treg reconstitution during lymphopenia normalizes DC costimulation and prevents graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2015, 125, 3627-3641.	3.9	70
28	Toward MSC in Solid Organ Transplantation: 2008 Position Paper of the MISOT Study Group. <i>Transplantation</i> , 2009, 88, 614-619.	0.5	64
29	Invading macrophages play a major role in the liver progenitor cell response to chronic liver injury. <i>Journal of Hepatology</i> , 2010, 53, 500-507.	1.8	61
30	Hepatic pseudocapillarization in aged mice. <i>Experimental Gerontology</i> , 2005, 40, 807-812.	1.2	60
31	Cryotherapy of Liver Tumours—A Practical Guide. <i>HPB Surgery</i> , 1995, 8, 167-173.	2.2	54
32	Carboxyfluorescein diacetate succinimidyl ester and the virgin lymphocyte: A marriage made in heaven. <i>Immunology and Cell Biology</i> , 1999, 77, 530-538.	1.0	52
33	Early intrahepatic antigen-specific retention of na $\hat{I}$ -ve CD8+T cells is predominantly ICAM-1/LFA-1 dependent in mice. <i>Hepatology</i> , 2005, 42, 1063-1071.	3.6	51
34	Anti-PD-1-induced high-grade hepatitis associated with corticosteroid-resistant T cells: a case report. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 563-573.	2.0	50
35	Marked changes of the hepatic sinusoid in a transgenic mouse model of acute immune-mediated hepatitis. <i>Journal of Hepatology</i> , 2007, 46, 239-246.	1.8	48
36	Pulmonary immunization with a recombinant influenza A virus vaccine induces lung-resident CD4+ memory T cells that are associated with protection against tuberculosis. <i>Mucosal Immunology</i> , 2018, 11, 1743-1752.	2.7	48

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37	Two lymph nodes draining the mouse liver are the preferential site of DC migration and T cell activation. <i>Journal of Hepatology</i> , 2012, 57, 352-358.	1.8	46
38	Immune outcomes in the liver: Is CD8 T cell fate determined by the environment?. <i>Journal of Hepatology</i> , 2015, 63, 1005-1014.	1.8	45
39	A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. <i>Cell Host and Microbe</i> , 2020, 27, 950-962.e7.	5.1	45
40	Glycolipid-peptide vaccination induces liver-resident memory CD8 <sup>+</sup> T cells that protect against rodent malaria. <i>Science Immunology</i> , 2020, 5, .	5.6	43
41	Inhibition by chloroquine of the class II major histocompatibility complex-restricted presentation of endogenous antigens varies according to the cellular origin of the antigen-presenting cells, the nature of the T-cell epitope, and the responding T cell. <i>Immunology</i> , 1993, 80, 566-73.	2.0	42
42	Malaria and the liver: immunological hide-and-seek or subversion of immunity from within?. <i>Frontiers in Microbiology</i> , 2015, 6, 41.	1.5	40
43	A proinflammatory CD4 <sup>+</sup> T cell phenotype in gestational diabetes mellitus. <i>Diabetologia</i> , 2018, 61, 1633-1643.	2.9	38
44	The MHC class II-associated invariant chain: a molecule with multiple roles in MHC class II biosynthesis and antigen presentation to CD4 <sup>+</sup> T cells. <i>Critical Reviews in Immunology</i> , 1996, 16, 359-79.	1.0	37
45	Caveolae control the anti-inflammatory phenotype of senescent endothelial cells. <i>Aging Cell</i> , 2015, 14, 102-111.	3.0	36
46	CD8 <sup>+</sup> T cell tolerance following antigen recognition on hepatocytes. <i>Journal of Autoimmunity</i> , 2010, 34, 15-22.	3.0	35
47	Correlation between invariant chain expression level and capability to present antigen to MHC class II-restricted T cells. <i>International Immunology</i> , 1991, 3, 435-443.	1.8	33
48	Molecular and Cellular Aspects of Hepatitis C Virus Reinfection After Liver Transplantation: How the Early Phase Impacts on Outcomes. <i>Transplantation</i> , 2009, 87, 1105-1111.	0.5	33
49	Regulation of dipeptidyl peptidase 8 and 9 expression in activated lymphocytes and injured liver. <i>World Journal of Gastroenterology</i> , 2013, 19, 2883-2893.	1.4	33
50	High efficiency of endogenous antigen presentation by MHC class II molecules. <i>International Immunology</i> , 1992, 4, 1113-1121.	1.8	32
51	The pro-fibrotic role of dipeptidyl peptidase 4 in carbon tetrachloride-induced experimental liver injury. <i>Immunology and Cell Biology</i> , 2017, 95, 443-453.	1.0	32
52	Suicidal emperipolesis: a process leading to cell-in-cell structures, T cell clearance and immune homeostasis.. <i>Current Molecular Medicine</i> , 2015, 15, 819-827.	0.6	31
53	Tolerance in liver transplantation. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2012, 26, 73-84.	1.0	30
54	The Influence of Macronutrients on Splanchnic and Hepatic Lymphocytes in Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1499-1507.	1.7	30

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55	Spontaneous acceptance of mouse kidney allografts is associated with increased Foxp3 expression and differences in the B and T cell compartments. <i>Transplant Immunology</i> , 2011, 24, 149-156.	0.6	29
56	Major histocompatibility complex class II-restricted presentation of secreted and endoplasmic reticulum resident antigens requires the invariant chains and is sensitive to lysosomotropic agents. <i>European Journal of Immunology</i> , 1993, 23, 3167-3172.	1.6	28
57	Intrahepatic Activation of Naive CD4+ T Cells by Liver-Resident Phagocytic Cells. <i>Journal of Immunology</i> , 2014, 193, 2087-2095.	0.4	28
58	Naïve CD8 T cell activation by liver bone marrow-derived cells leads to a "neglected" IL-2low Bimhigh phenotype, poor CTL function and cell death. <i>Journal of Hepatology</i> , 2012, 57, 830-836.	1.8	27
59	Differential migration of passenger leukocytes and rapid deletion of naive alloreactive CD8 T cells after mouse liver transplantation. <i>Liver Transplantation</i> , 2013, 19, 1224-1235.	1.3	25
60	ROCK2 inhibition attenuates profibrogenic immune cell function to reverse thioacetamide-induced liver fibrosis. <i>JHEP Reports</i> , 2022, 4, 100386.	2.6	22
61	Enhancement of in vivo and in vitro T cell response against measles virus haemagglutinin after its incorporation into liposomes: effect of the phospholipid composition. <i>Vaccine</i> , 1991, 9, 340-345.	1.7	21
62	Deletion of a C-terminal sequence of the class II-associated invariant chain abrogates invariant chains oligomer formation and class II antigen presentation. <i>Journal of Immunology</i> , 1995, 154, 5620-9.	0.4	21
63	Gene Therapy for Tolerance. <i>Transplantation</i> , 2013, 95, 70-77.	0.5	19
64	The RhoGAP protein ARHGAP18/SENEX localizes to microtubules and regulates their stability in endothelial cells. <i>Molecular Biology of the Cell</i> , 2017, 28, 1066-1078.	0.9	19
65	Deletion of sphingosine kinase 1 inhibits liver tumorigenesis in diethylnitrosamine-treated mice. <i>Oncotarget</i> , 2018, 9, 15635-15649.	0.8	19
66	Parenchymal Expression of CD86/B7.2 Contributes to Hepatitis C Virus-Related Liver Injury. <i>Journal of Virology</i> , 2005, 79, 10730-10739.	1.5	17
67	Mechanisms of T Cell Death in the Liver: To Bim or Not to Bim?. <i>Digestive Diseases</i> , 2010, 28, 14-24.	0.8	17
68	The Impact of Poloxamer 407 on the Ultrastructure of the Liver and Evidence for Clearance by Extensive Endothelial and Kupffer Cell Endocytosis. <i>Toxicologic Pathology</i> , 2011, 39, 390-397.	0.9	17
69	The CD8 T cell response during tolerance induction in liver transplantation. <i>Clinical and Translational Immunology</i> , 2016, 5, e102.	1.7	15
70	Immune-mediated hepatitis drives low-level fusion between hepatocytes and adult bone marrow cells. <i>Journal of Hepatology</i> , 2006, 44, 334-341.	1.8	14
71	Liver Tolerance and the Manipulation of Immune Outcomes. <i>Inflammation and Allergy: Drug Targets</i> , 2008, 7, 6-18.	1.8	14
72	Multiple receptors converge on H2EQ10 to regulate NK and T cell development. <i>Immunology and Cell Biology</i> , 2019, 97, 326-339.	1.0	13

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73	Direct recognition of hepatocyte-expressed MHC class I alloantigens is required for tolerance induction. <i>JCI Insight</i> , 2018, 3, .	2.3	11
74	Invariant Chain Expression Similarly Controls Presentation of Endogenously Synthesized and Exogenous Antigens by MHC Class II Molecules. <i>Cellular Immunology</i> , 1993, 148, 60-70.	1.4	10
75	The self-peptide repertoire plays a critical role in transplant tolerance induction. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	10
76	T cells in the liver: There is life beyond the graveyard. <i>Hepatology</i> , 2007, 45, 1580-1582.	3.6	9
77	Impaired function of dendritic cells translocating the liver sinusoids: A veto effect contributing to intrahepatic tolerance?. <i>European Journal of Immunology</i> , 2008, 38, 938-941.	1.6	9
78	Role of the Hepatic Parenchyma in Liver Transplant Tolerance: A Paradigm Revisited. <i>Digestive Diseases</i> , 2011, 29, 391-401.	0.8	9
79	Single-Dose Vaccination with a Hepatotropic Adeno-associated Virus Efficiently Localizes T Cell Immunity in the Liver with the Potential To Confer Rapid Protection against Hepatitis C Virus. <i>Journal of Virology</i> , 2019, 93, .	1.5	9
80	The liver sieve and gene therapy. <i>Blood</i> , 2003, 101, 3338-3338.	0.6	8
81	IRGM3 Contributes to Immunopathology and Is Required for Differentiation of Antigen-Specific Effector CD8 <sup>+</sup> T Cells in Experimental Cerebral Malaria. <i>Infection and Immunity</i> , 2015, 83, 1406-1417.	1.0	8
82	Operational tolerance in liver transplantation: Shall we predict or promote?. <i>Liver Transplantation</i> , 2013, 19, 933-936.	1.3	7
83	Induction Phase of Spontaneous Liver Transplant Tolerance. <i>Frontiers in Immunology</i> , 2020, 11, 1908.	2.2	7
84	Toll-like receptor-3 and the regulation of intrahepatic immunity: Implications for interferon-alpha therapy. <i>Hepatology</i> , 2007, 45, 250-251.	3.6	6
85	Interleukin-22, interleukin-17, and other cytokines: A wall is coming down. <i>Hepatology</i> , 2008, 47, 345-348.	3.6	5
86	Effector T cell function rather than survival determines extent and duration of hepatitis in mice. <i>Journal of Hepatology</i> , 2016, 64, 1327-1338.	1.8	5
87	TCR Affinity Controls the Dynamics but Not the Functional Specification of the Antimycobacterial CD4 <sup>+</sup> T Cell Response. <i>Journal of Immunology</i> , 2021, 206, 2875-2887.	0.4	5
88	The liver contains distinct interconnected networks of CX3CR1 <sup>+</sup> macrophages, XCR1 <sup>+</sup> type 1 and CD301a <sup>+</sup> type 2 conventional dendritic cells embedded within portal tracts. <i>Immunology and Cell Biology</i> , 2022, 100, 394-408.	1.0	4
89	Zone defence “the gut microbiota position macrophages for optimal liver protection. <i>Immunology and Cell Biology</i> , 2021, 99, 565-569.	1.0	3
90	Disruption of CD8-Coreceptor Binding Abrogates Tolerance Induction Via Liver-Directed Expression of Donor MHC Class I - A Role for PD-L1?. <i>Transplantation</i> , 2014, 98, 392.	0.5	0

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91	Could The Morning After liver transplant be immunologically interesting?. Liver Transplantation, 2015, 21, 1120-1122.	1.3	0
92	Immune-Mediated Hepatitis Drives Bone marrow to Hepatocyte Plasticity.. Blood, 2004, 104, 3599-3599.	0.6	0
93	Primary T-Cell Activation in Liver. , 2014, , 899-905.		0
94	Ultrastructure of the Liver Sinusoid. , 2014, , 1235-1240.		0
95	Immune Responses to the Hepatitis C Virus. , 2014, , 476-486.		0
96	Immunological Parameters Influencing Adaptive Immune Responses to the Hepatitis C Virus. , 2008, , 39-70.		0
97	DISCOVERY OF PMHC EPITOPES FOR DIRECTLY ALLOREACTIVE T CELLS. Transplantation, 2020, 104, S17-S18.	0.5	0
98	PD-L1 / PD-1 INTERACTIONS ARE CRITICAL FOR TOLERANCE INDUCTION IN PRIMED SKIN GRAFT RECIPIENTS FOLLOWING LIVER-DIRECTED MHC CLASS I GENE TRANSFER. Transplantation, 2020, 104, S97-S98.	0.5	0