Luca G G Guidotti

List of Publications by Year
in descending order

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109 papers	14,958 citations	17405 63 h-index	30010 103 g-index
112 all docs	112 docs citations	112 times ranked	12151 citing authors

#	Article	IF	Citations
1	Viral Clearance Without Destruction of Infected Cells During Acute HBV Infection. Science, 1999, 284, 825-829.	6.0	1,144
2	Intracellular Inactivation of the Hepatitis B Virus by Cytotoxic T Lymphocytes. Immunity, 1996, 4, 25-36.	6.6	1,065
3	NONCYTOLYTICCONTROL OFVIRALINFECTIONS BY THEINNATE ANDADAPTIVEIMMUNERESPONSE. Annual Review of Immunology, 2001, 19, 65-91.	9.5	896
4	IMMUNOBIOLOGY AND PATHOGENESIS OF VIRAL HEPATITIS. Annual Review of Pathology: Mechanisms of Disease, 2006, 1, 23-61.	9.6	669
5	Natural Killer T Cell Activation Inhibits Hepatitis B Virus Replication in Vivo. Journal of Experimental Medicine, 2000, 192, 921-930.	4.2	560
6	Mechanisms of class I restricted immunopathology. A transgenic mouse model of fulminant hepatitis.. Journal of Experimental Medicine, 1993, 178, 1541-1554.	4.2	470
7	Cytotoxic T lymphocytes inhibit hepatitis B virus gene expression by a noncytolytic mechanism in transgenic mice.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3764-3768.	3.3	416
8	Immune Pathogenesis of Hepatocellular Carcinoma. Journal of Experimental Medicine, 1998, 188, 341-350.	4.2	354
9	A global scientific strategy to cure hepatitis B. The Lancet Gastroenterology and Hepatology, 2019, 4, 545-558.	3.7	342
10	Update of the statements on biology and clinical impact of occult hepatitis B virus infection. Journal of Hepatology, 2019, 71, 397-408.	1.8	341
11	Platelets mediate cytotoxic T lymphocyteâ€“induced liver damage. Nature Medicine, 2005, 11, 1167-1169.	15.2	311
12	Subcapsular sinus macrophages prevent CNS invasion on peripheral infection with a neurotropic virus. Nature, 2010, 465, 1079-1083.	13.7	309
13	Immunosurveillance of the Liver by Intravascular Effector CD8 + T Cells. Cell, 2015, 161, 486-500.	13.5	271
14	Tumor-Targeted Interferon-Î± Delivery by Tie2-Expressing Monocytes Inhibits Tumor Growth and Metastasis. Cancer Cell, 2008, 14, 299-311.	7.7	267
15	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
16	To kill or to cure: options in host defense against viral infection. Current Opinion in Immunology, 1996, 8, 478-483.	2.4	257
17	Relative Sensitivity of Hepatitis B Virus and Other Hepatotropic Viruses to the Antiviral Effects of Cytokines. Journal of Virology, 2000, 74, 2255-2264.	1.5	238
18	Blockade of Immunosuppressive Cytokines Restores NK Cell Antiviral Function in Chronic Hepatitis B Virus Infection. PLoS Pathogens, 2010, 6, e1001227.	2.1	228

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19	Intrahepatic Induction of Alpha/Beta Interferon Eliminates Viral RNA-Containing Capsids in Hepatitis B Virus Transgenic Mice. Journal of Virology, 2000, 74, 4165-4173.	1.5	226
20	Blocking Chemokine Responsive to Î³â€“2/Interferon (IFN)-Î³ Inducible Protein and Monokine Induced by IFN-Î³ Activity In Vivo Reduces the Pathogenetic but not the Antiviral Potential of Hepatitis B Virusâ€“specific Cytotoxic T Lymphocytes. Journal of Experimental Medicine, 2001, 194, 1755-1766.	4.2	225
21	A function of the hepatitis B virus precore protein is to regulate the immune response to the core antigen. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14913-14918.	3.3	219
22	Immunobiology and pathogenesis of hepatitis B virus infection. Nature Reviews Immunology, 2022, 22, 19-32.	10.6	199
23	Viral cross talk: intracellular inactivation of the hepatitis B virus during an unrelated viral infection of the liver.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 4589-4594.	3.3	196
24	Immune Tolerance Split between Hepatitis B Virus Precore and Core Proteins. Journal of Virology, 2005, 79, 3016-3027.	1.5	194
25	Gene expression during the priming phase of liver regeneration after partial hepatectomy in mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11181-11186.	3.3	183
26	In vivo administration of lentiviral vectors triggers a type I interferon response that restricts hepatocyte gene transfer and promotes vector clearance. Blood, 2007, 109, 2797-2805.	0.6	168
27	Interleukin-18 Inhibits Hepatitis B Virus Replication in the Livers of Transgenic Mice. Journal of Virology, 2002, 76, 10702-10707.	1.5	166
28	Noncytopathic Clearance of Lymphocytic Choriomeningitis Virus from the Hepatocyte. Journal of Experimental Medicine, 1999, 189, 1555-1564.	4.2	141
29	Inhibition of Hepatitis B Virus Replication during Adenovirus and Cytomegalovirus Infections in Transgenic Mice. Journal of Virology, 1998, 72, 2630-2637.	1.5	138
30	Dynamics and genomic landscape of CD8+ T cells undergoing hepatic priming. Nature, 2019, 574, 200-205.	13.7	135
31	Hepatitis C virus core and E2 protein expression in transgenic mice. Hepatology, 1997, 25, 719-727.	3.6	133
32	Hostâ€“virus interactions in hepatitis B virus infection. Current Opinion in Immunology, 2015, 36, 61-66.	2.4	133
33	Interleukin-2 and alpha/beta interferon down-regulate hepatitis B virus gene expression in vivo by tumor necrosis factor-dependent and -independent pathways. Journal of Virology, 1994, 68, 1265-1270.	1.5	133
34	Posttranscriptional clearance of hepatitis B virus RNA by cytotoxic T lymphocyte-activated hepatocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 12398-12402.	3.3	123
35	Cytokine-Mediated Control of Viral Infections. Virology, 2000, 273, 221-227.	1.1	123
36	Treatment with HMGB1 inhibitors diminishes CTL-induced liver disease in HBV transgenic mice. Journal of Leukocyte Biology, 2007, 81, 100-107.	1.5	120

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37	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
38	Nitric Oxide Inhibits Hepatitis B Virus Replication in the Livers of Transgenic Mice. Journal of Experimental Medicine, 2000, 191, 1247-1252.	4.2	117
39	The optimization of helper T lymphocyte (HTL) function in vaccine development. Immunologic Research, 1998, 18, 79-92.	1.3	115
40	The hepatitis B virus (HBV) precore protein inhibits HBV replication in transgenic mice. Journal of Virology, 1996, 70, 7056-7061.	1.5	113
41	Interferon-Regulated Pathways That Control Hepatitis B Virus Replication in Transgenic Mice. Journal of Virology, 2002, 76, 2617-2621.	1.5	112
42	Depletion of neutrophils blocks the recruitment of antigen-nonspecific cells into the liver without affecting the antiviral activity of hepatitis B virus-specific cytotoxic T lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13717-13722.	3.3	110
43	Activated Intrahepatic Antigen-Presenting Cells Inhibit Hepatitis B Virus Replication in the Liver of Transgenic Mice. Journal of Immunology, 2002, 169, 5188-5195.	0.4	109
44	Hepatitis B virus nucleocapsid particles do not cross the hepatocyte nuclear membrane in transgenic mice. Journal of Virology, 1994, 68, 5469-5475.	1.5	109
45	Searching for Interferon-Induced Genes That Inhibit Hepatitis B Virus Replication in Transgenic Mouse Hepatocytes. Journal of Virology, 2003, 77, 1227-1236.	1.5	108
46	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
47	Nuclear Covalently Closed Circular Viral Genomic DNA in the Liver of Hepatocyte Nuclear Factor 1Î±-Null Hepatitis B Virus Transgenic Mice. Journal of Virology, 2001, 75, 2900-2911.	1.5	103
48	Defective Th1 Cytokine Gene Transcription in CD4+ and CD8+ T Cells from Wiskott-Aldrich Syndrome Patients. Journal of Immunology, 2006, 177, 7451-7461.	0.4	103
49	Cutting Edge: Inhibition of Hepatitis B Virus Replication by Activated NK T Cells Does Not Require Inflammatory Cell Recruitment to the Liver. Journal of Immunology, 2001, 167, 6701-6705.	0.4	102
50	Kupffer Cells Hasten Resolution of Liver Immunopathology in Mouse Models of Viral Hepatitis. PLoS Pathogens, 2011, 7, e1002061.	2.1	96
51	Inflammatory monocytes hinder antiviral B cell responses. Science Immunology, 2016, 1, .	5.6	93
52	Hepatitis B Virus RNA-Binding Proteins Associated with Cytokine-Induced Clearance of Viral RNA from the Liver of Transgenic Mice. Journal of Virology, 1999, 73, 474-481.	1.5	91
53	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
54	HBV pathogenesis in animal models: Recent advances on the role of platelets. Journal of Hepatology, 2007, 46, 719-726.	1.8	84

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55	TIE2â€expressing monocytes/macrophages regulate revascularization of the ischemic limb. EMBO Molecular Medicine, 2013, 5, 858-869.	3.3	83
56	Anti-platelet therapy in the prevention of hepatitis B virus-associated hepatocellular carcinoma. Journal of Hepatology, 2013, 59, 1135-1138.	1.8	82
57	Nkx2-5+Islet1+ Mesenchymal Precursors Generate Distinct Spleen Stromal Cell Subsets and Participate in Restoring Stromal Network Integrity. Immunity, 2013, 38, 782-791.	6.6	82
58	Interleukin-2 downregulates hepatitis B virus gene expression in transgenic mice by a posttranscriptional mechanism. Journal of Virology, 1993, 67, 7444-7449.	1.5	81
59	La Autoantigen Specifically Recognizes a Predicted Stem-Loop in Hepatitis B Virus RNA. Journal of Virology, 1999, 73, 5767-5776.	1.5	79
60	Cytokine-induced viral purging â€" role in viral pathogenesis. Current Opinion in Microbiology, 1999, 2, 388-391.	2.3	73
61	Overcoming T Cell Tolerance to the Hepatitis B Virus Surface Antigen in Hepatitis B Virus-Transgenic Mice. Journal of Immunology, 2001, 166, 1389-1397.	0.4	73
62	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
63	Bone marrow as an alternative site for islet transplantation. Blood, 2009, 114, 4566-4574.	0.6	72
64	Role of CCL2/MCP-1 in Islet Transplantation. Cell Transplantation, 2010, 19, 1031-1046.	1.2	69
65	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
66	Hostâ€"Virus Interactions during Malaria Infection in Hepatitis B Virus Transgenic Mice. Journal of Experimental Medicine, 2000, 192, 529-536.	4.2	61
67	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. Science Immunology, 2022, 7, .	5.6	61
68	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
69	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
70	Characterization of Nuclear RNases That Cleave Hepatitis B Virus RNA near the La Protein Binding Site. Journal of Virology, 2001, 75, 6874-6883.	1.5	53
71	In Vivo Regulation of Hepatitis B Virus Replication by Peroxisome Proliferators. Journal of Virology, 1999, 73, 10377-10386.	1.5	51
72	Effector CD8+ T cell-derived interleukin-10 enhances acute liver immunopathology. Journal of Hepatology, 2017, 67, 543-548.	1.8	48

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73	The role of cytotoxic T cells and cytokines in the control of hepatitis B virus infection. Vaccine, 2002, 20, A80-A82.	1.7	47
74	Inhibition of Hepatitis B Virus Replication during Schistosoma mansoni Infection in Transgenic Mice. Journal of Experimental Medicine, 2000, 192, 289-294.	4.2	39
75	Bisphosphonates Target B Cells to Enhance Humoral Immune Responses. Cell Reports, 2013, 5, 323-330.	2.9	39
76	Differential induction of carcinogen metabolizing enzymes in a transgenic mouse model of fulminant hepatitis. Hepatology, 1996, 24, 649-656.	3.6	32
77	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
78	Effector CD8 T cell trafficking within the liver. Molecular Immunology, 2013, 55, 94-99.	1.0	29
79	<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
80	Modulation of Early Inflammatory Reactions to Promote Engraftment and Function of Transplanted Pancreatic Islets in Autoimmune Diabetes. Advances in Experimental Medicine and Biology, 2010, 654, 725-747.	0.8	25
81	Mouse Models of Hepatitis B Virus Pathogenesis. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a021477.	2.9	23
82	In Vivo Flow Mapping in Complex Vessel Networks by Single Image Correlation. Scientific Reports, 2014, 4, 7341.	1.6	21
83	Group 1 ILCs regulate T cellâ€“mediated liver immunopathology by controlling local IL-2 availability. Science Immunology, 2022, 7, eabi6112.	5.6	18
84	Pathogenetic and antiviral immune responses against hepatitis B virus. Future Virology, 2006, 1, 189-196.	0.9	17
85	On the role of platelets in the pathogenesis of viral hepatitis. Journal of Hepatology, 2009, 51, 599-600.	1.8	16
86	Thymic Tolerance to Only One Viral Protein Reduces Lymphocytic Choriomeningitis Virus-Induced Immunopathology and Increases Survival in Perforin-Deficient Mice. Journal of Virology, 1999, 73, 5918-5925.	1.5	16
87	Reduced severity of liver ischemia/reperfusion injury following hepatic resection in humans is associated with enhanced intrahepatic expression of Th2 cytokines. Hepatology Research, 2006, 36, 20-26.	1.8	15
88	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
89	A Derivatization Procedure Suitable for HPLC Analysis of Clenbuterol. Journal of Chromatographic Science, 1991, 29, 190-193.	0.7	14
90	Eukaryotic translation initiation factor 6 is a novel regulator of reactive oxygen species-dependent megakaryocyte maturation. Journal of Thrombosis and Haemostasis, 2015, 13, 2108-2118.	1.9	13

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91	Naive HIV/HCV-Coinfected Patients Have Higher Intrahepatic Pro-Inflammatory Cytokines than Coinfected Patients Treated with Antiretroviral Therapy. Antiviral Therapy, 2006, 11, 385-389.	0.6	13
92	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
93	High-performance liquid chromatographic determination of d-amino acid oxidase activity. Biomedical Applications, 1991, 566, 377-382.	1.7	7
94	The COP9 signalosome is a repressor of replicative stress responses and polyploidization in the regenerating liver. Hepatology, 2014, 59, 2331-2343.	3.6	6
95	Immunological insights in the treatment of chronic hepatitis B. Current Opinion in Immunology, 2022, 77, 102207.	2.4	5
96	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. Science Immunology, 2021, , eabl9929.	5.6	3
97	Developing a cure for chronic hepatitis B requires a fresh approach. Nature, 2022, 603, S49-S49.	13.7	3
98	Mouse genetics at work: A new model of chronic hepadnavirus infection. Hepatology, 1998, 28, 268-269.	3.6	2
99	Editorial overview: Viral pathogenesis. Current Opinion in Virology, 2015, 11, v-vii.	2.6	2
100	Lowâ€dose aspirin reduces the risk of HBVâ€associated HCC even when administered shortâ€term: Too good to be true?. Hepatology, 2022, 76, 300-302.	3.6	2
101	Arenaviral infection causes bleeding in mice due to reduced serotonin release from platelets. Science Signaling, 2022, 15, eabb0384.	1.6	2
102	Discovery and antiviral profile of new sulfamoylbenzamide derivatives as HBV capsid assembly modulators. Bioorganic and Medicinal Chemistry Letters, 2022, 73, 128904.	1.0	2
103	Pathogenesis of Hepatitis B Virus inTransgenic Mice. , 2005, 25, 25-32.		1
104	Is It Time to Recommend Low-Dose Aspirin Treatment for the Prevention of Hepatocellular Carcinoma?. Gastroenterology, 2020, 159, 1988-1990.	0.6	1
105	Protective and Pathogenic T Cell Responses to Virus Infections. , 2016, , 318-323.		1
106	TIE2-expressing monocytes regulate revascularisation of the ischaemic limb. Lancet, The, 2013, 381, S78.	6.3	0
107	Hepatitis B Virus Immunopathogenesis. Molecular and Translational Medicine, 2016, , 79-93.	0.4	0
108	Platelets Mediate Cytotoxic T Lymphocyte-Induced Liver Damage.. Blood, 2005, 106, 651-651.	0.6	0

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109	Animal Models of Hepatitis B and C. , 2014, , 44-49.		0