

Georges Leclercq

List of Publications by Year in descending order

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110
papers

3,949
citations

117625

34
h-index

138484

58
g-index

114
all docs

114
docs citations

114
times ranked

5895
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of T Cells from Human Embryonic Stem Cell-Derived Hematopoietic Zones. <i>Journal of Immunology</i> , 2009, 182, 6879-6888.	0.8	186
2	CD27 Defines Phenotypically and Functionally Different Human NK Cell Subsets. <i>Journal of Immunology</i> , 2008, 180, 3739-3745.	0.8	173
3	Defective CD4 ⁺ CD25 ⁺ regulatory T cell functioning in collagen-induced arthritis: an important factor in pathogenesis, counter-regulated by endogenous IFN-gamma. <i>Arthritis Research</i> , 2005, 7, R402.	2.0	143
4	Activated CD4 ⁺ CD25 ⁺ regulatory T cells inhibit osteoclastogenesis and collagen-induced arthritis. <i>Annals of the Rheumatic Diseases</i> , 2009, 68, 744-750.	0.9	133
5	Mouse TCR α^+ CD8 α^+ Intraepithelial Lymphocytes Express Genes That Down-Regulate Their Antigen Reactivity and Suppress Immune Responses. <i>Journal of Immunology</i> , 2007, 178, 4230-4239.	0.8	132
6	β -Glucan microparticles are good candidates for mucosal antigen delivery in oral vaccination. <i>Journal of Controlled Release</i> , 2013, 172, 671-678.	9.9	123
7	A Role for cis Interaction between the Inhibitory Ly49A Receptor and MHC Class I for Natural Killer Cell Education. <i>Immunity</i> , 2009, 30, 337-347.	14.3	111
8	Active Form of Notch Imposes T Cell Fate in Human Progenitor Cells. <i>Journal of Immunology</i> , 2002, 169, 3021-3029.	0.8	100
9	An early decrease in Notch activation is required for human TCR α^+ lineage differentiation at the expense of TCR β^+ T cells. <i>Blood</i> , 2009, 113, 2988-2998.	1.4	97
10	Specific Notch receptor α -ligand interactions control human TCR α^+ development by inducing differential Notch signal strength. <i>Journal of Experimental Medicine</i> , 2013, 210, 683-697.	8.5	95
11	KLRG1 binds cadherins and preferentially associates with SHIP-1. <i>International Immunology</i> , 2007, 19, 391-400.	4.0	94
12	Matrix Metalloprotease 8-Dependent Extracellular Matrix Cleavage at the Blood-CSF Barrier Contributes to Lethality during Systemic Inflammatory Diseases. <i>Journal of Neuroscience</i> , 2012, 32, 9805-9816.	3.6	91
13	Jagged2 acts as a Delta-like Notch ligand during early hematopoietic cell fate decisions. <i>Blood</i> , 2011, 117, 4449-4459.	1.4	89
14	Different thresholds of Notch signaling bias human precursor cells toward B-, NK-, monocytic/dendritic-, or T-cell lineage in thymus microenvironment. <i>Blood</i> , 2005, 106, 3498-3506.	1.4	84
15	Interactions of Ly49 Family Receptors with MHC Class I Ligands in <i>trans</i> and <i>cis</i> . <i>Journal of Immunology</i> , 2007, 178, 1277-1284.	0.8	84
16	Integrated scRNA-Seq Identifies Human Postnatal Thymus Seeding Progenitors and Regulatory Dynamics of Differentiating Immature Thymocytes. <i>Immunity</i> , 2020, 52, 1088-1104.e6.	14.3	79
17	T-, B- and NK-lymphoid, but not myeloid cells arise from human CD34 ⁺ CD38 ^{low} CD7 ⁺ common lymphoid progenitors expressing lymphoid-specific genes. <i>Leukemia</i> , 2007, 21, 311-319.	7.2	77
18	Developmental and Functional Defects of Thymic and Epidermal $\gamma\delta$ T Cells in IL-15-Deficient and IFN Regulatory Factor-1-Deficient Mice. <i>Journal of Immunology</i> , 2002, 168, 6486-6493.	0.8	76

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19	Type I interferon drives tumor necrosis factor-induced lethal shock. <i>Journal of Experimental Medicine</i> , 2009, 206, 1873-1882.	8.5	74
20	Systemic Juvenile Idiopathic Arthritis-like Syndrome in Mice Following Stimulation of the Immune System With Freund's Complete Adjuvant: Regulation by Interferon- γ . <i>Arthritis and Rheumatology</i> , 2014, 66, 1340-1351.	5.6	71
21	Notch signaling is required for proliferation but not for differentiation at a well-defined \hat{I}^2 -selection checkpoint during human T-cell development. <i>Blood</i> , 2009, 113, 3254-3263.	1.4	70
22	Inflammatory Gene Expression Profile and Defective Interferon- γ and Granzyme K in Natural Killer Cells From Systemic Juvenile Idiopathic Arthritis Patients. <i>Arthritis and Rheumatology</i> , 2017, 69, 213-224.	5.6	67
23	HOX-A10 regulates hematopoietic lineage commitment: evidence for a monocyte-specific transcription factor. <i>Blood</i> , 2002, 99, 1197-1204.	1.4	64
24	Expression of Ly49E and CD94/NKG2 on Fetal and Adult NK Cells. <i>Journal of Immunology</i> , 2001, 166, 4302-4311.	0.8	58
25	GATA3 induces human T-cell commitment by restraining Notch activity and repressing NK-cell fate. <i>Nature Communications</i> , 2016, 7, 11171.	12.8	57
26	Expression of Inhibitory Receptors Ly49E and CD94/NKG2 on Fetal Thymic and Adult Epidermal TCR \hat{V}^33 Lymphocytes. <i>Journal of Immunology</i> , 2002, 168, 3295-3302.	0.8	54
27	Notch signaling induces cytoplasmic CD3 $\hat{\mu}$ expression in human differentiating NK cells. <i>Blood</i> , 2007, 110, 2696-2703.	1.4	53
28	Functionally Mature CD4 and CD8 TCR \hat{I}^2 Cells Are Generated in OP9-DL1 Cultures from Human CD34+ Hematopoietic Cells. <i>Journal of Immunology</i> , 2009, 183, 4859-4870.	0.8	46
29	Distinct and temporary-restricted epigenetic mechanisms regulate human \hat{I}^2 and \hat{I}^3 T cell development. <i>Nature Immunology</i> , 2020, 21, 1280-1292.	14.5	43
30	In vitro human embryonic stem cell hematopoiesis mimics MYB-independent yolk sac hematopoiesis. <i>Haematologica</i> , 2015, 100, 157-166.	3.5	40
31	The checkpoint for agonist selection precedes conventional selection in human thymus. <i>Science Immunology</i> , 2017, 2, .	11.9	40
32	Education of Murine NK Cells Requires Both <i>cis</i> and <i>trans</i> Recognition of MHC Class I Molecules. <i>Journal of Immunology</i> , 2013, 191, 5044-5051.	0.8	39
33	Antioxidant potential of CORM-A1 and resveratrol during TNF- \hat{I}^2 /cycloheximide-induced oxidative stress and apoptosis in murine intestinal epithelial MODE-K cells. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 161-178.	2.8	38
34	Enforced Expression of GATA-3 Severely Reduces Human Thymic Cellularity. <i>Journal of Immunology</i> , 2001, 167, 4468-4475.	0.8	37
35	Tangeretin inhibits extracellular-signal-regulated kinase (ERK) phosphorylation. <i>FEBS Letters</i> , 2005, 579, 1665-1669.	2.8	37
36	NK cells developing in vitro from fetal mouse progenitors express at least one member of the Ly49 family that is acquired in a time-dependent and stochastic manner independently of CD94 and NKG2. <i>European Journal of Immunology</i> , 2002, 32, 868.	2.9	34

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37	Negative thymocyte selection to HERV-K18 superantigens in humans. <i>Blood</i> , 2005, 105, 4377-4382.	1.4	34
38	T-lymphoid differentiation potential measured in vitro is higher in CD34+CD38-/lo hematopoietic stem cells from umbilical cord blood than from bone marrow and is an intrinsic property of the cells. <i>Haematologica</i> , 2011, 96, 646-654.	3.5	33
39	The transcription factor ETS1 is an important regulator of human NK cell development and terminal differentiation. <i>Blood</i> , 2020, 136, 288-298.	1.4	33
40	A unique lymphotoxin β -dependent pathway regulates thymic emigration of V α 14 invariant natural killer T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9160-9165.	7.1	32
41	RHAMM/HMMR (CD168) is not an ideal target antigen for immunotherapy of acute myeloid leukemia. <i>Haematologica</i> , 2012, 97, 1539-1547.	3.5	32
42	Signals from the IL-9 Receptor Are Critical for the Early Stages of Human Intrathymic T Cell Development. <i>Journal of Immunology</i> , 2000, 164, 1761-1767.	0.8	31
43	Human B Cell Growth and Differentiation in the Spleen of Immunodeficient Mice. <i>Journal of Immunology</i> , 2001, 166, 2929-2936.	0.8	31
44	NKT sublineage specification and survival requires the ubiquitin-modifying enzyme TNFAIP3/A20. <i>Journal of Experimental Medicine</i> , 2016, 213, 1973-1981.	8.5	31
45	Distinct Notch1 and <i>BCL11B</i> requirements mediate human β γ \pm T cell development. <i>EMBO Reports</i> , 2020, 21, e49006.	4.5	31
46	Human intrathymic development: a selective approach. <i>Seminars in Immunopathology</i> , 2008, 30, 411-423.	6.1	29
47	Differential Effects of CORM-2 and CORM-401 in Murine Intestinal Epithelial MODE-K Cells under Oxidative Stress. <i>Frontiers in Pharmacology</i> , 2017, 8, 31.	3.5	29
48	Role of natural killer cells in the rejection process of corneal allografts in rats. <i>Transplantation</i> , 2004, 77, 676-682.	1.0	27
49	CD27-deficient mice show normal NK cell differentiation but impaired function upon stimulation. <i>Immunology and Cell Biology</i> , 2011, 89, 803-811.	2.3	26
50	Notch induces human T-cell receptor β γ \pm thymocytes to differentiate along a parallel, highly proliferative and bipotent CD4 CD8 double-positive pathway. <i>Leukemia</i> , 2012, 26, 127-138.	7.2	26
51	TNF- α /Cycloheximide-Induced Oxidative Stress and Apoptosis in Murine Intestinal Epithelial MODE-K Cells. <i>Current Pharmaceutical Design</i> , 2012, 18, 4414-4425.	1.9	24
52	A Murine Intestinal Intraepithelial NKp46-Negative Innate Lymphoid Cell Population Characterized by Group 1 Properties. <i>Cell Reports</i> , 2017, 19, 1431-1443.	6.4	24
53	Rapid and Effective Generation of Nanobody Based CARs using PCR and Gibson Assembly. <i>International Journal of Molecular Sciences</i> , 2020, 21, 883.	4.1	24
54	The Citrus Methoxyflavone Tangeretin Affects Human Cell-Cell Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2002, 505, 135-139.	1.6	24

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55	T-BET and EOMES Accelerate and Enhance Functional Differentiation of Human Natural Killer Cells. <i>Frontiers in Immunology</i> , 2021, 12, 732511.	4.8	24
56	Continuous CD27 triggering <i>in vivo</i> strongly reduces NK cell numbers. <i>European Journal of Immunology</i> , 2010, 40, 1107-1117.	2.9	23
57	Mitochondria and NADPH oxidases are the major sources of TNF- α /cycloheximide-induced oxidative stress in murine intestinal epithelial MODE-K cells. <i>Cellular Signalling</i> , 2015, 27, 1141-1158.	3.6	22
58	Antigen receptor-redirectioned T cells derived from hematopoietic precursor cells lack expression of the endogenous TCR/CD3 receptor and exhibit specific antitumor capacities. <i>Oncotarget</i> , 2017, 6, e1283460.	4.6	22
59	Porcine NK cells display features associated with antigen-presenting cells. <i>Journal of Leukocyte Biology</i> , 2018, 103, 129-140.	3.3	22
60	Cytokine dependence of V β 3 thymocytes: mature but not immature V β 3 cells require endogenous IL-2 and IL-7 to survive—evidence for cytokine redundancy. <i>International Immunology</i> , 1995, 7, 843-851.	4.0	20
61	Ly49E expression points toward overlapping, but distinct, natural killer (NK) cell differentiation kinetics and potential of fetal versus adult lymphoid progenitors. <i>Journal of Leukocyte Biology</i> , 2003, 73, 731-738.	3.3	20
62	Ly49E-dependent inhibition of natural killer cells by urokinase plasminogen activator. <i>Blood</i> , 2008, 112, 5046-5051.	1.4	20
63	Host protective ASP-based vaccine against the parasitic nematode <i>Ostertagia ostertagi</i> triggers NK cell activation and mixed IgG1-IgG2 response. <i>Scientific Reports</i> , 2016, 6, 29496.	3.3	20
64	HES1 and HES4 have non-redundant roles downstream of Notch during early human T-cell development. <i>Haematologica</i> , 2020, 106, 130-141.	3.5	20
65	Langerhans Cells That Have Matured In Vivo in the Absence of T Cells Are Fully Capable of Inducing a Helper CD4 as Well as a Cytotoxic CD8 Response. <i>Journal of Immunology</i> , 2000, 165, 645-653.	0.8	19
66	Differential expression of CD97 on human lymphocyte subsets and limited effect of CD97 antibodies on allogeneic T-cell stimulation. <i>Immunology Letters</i> , 2009, 123, 160-168.	2.5	18
67	Abundant stage-dependent Ly49E expression by liver NK cells is not essential for their differentiation and function. <i>Journal of Leukocyte Biology</i> , 2013, 93, 699-711.	3.3	18
68	Spray-Dried Polyelectrolyte Microparticles in Oral Antigen Delivery: Stability, Biocompatibility, and Cellular Uptake. <i>Biomacromolecules</i> , 2014, 15, 2301-2309.	5.4	18
69	Murine fetal natural killer cells are functionally and structurally distinct from adult natural killer cells. <i>Journal of Leukocyte Biology</i> , 1999, 66, 625-633.	3.3	17
70	Notch3 Activation Is Sufficient but Not Required for Inducing Human T-Lineage Specification. <i>Journal of Immunology</i> , 2014, 193, 5997-6004.	0.8	17
71	Overexpression of HES-1 is not sufficient to impose T-cell differentiation on human hematopoietic stem cells. <i>Blood</i> , 2006, 107, 2879-2881.	1.4	15
72	Inhibitory receptors specific for MHC class I educate murine NK cells but not CD8 $\alpha\alpha$ intestinal intraepithelial T lymphocytes. <i>Blood</i> , 2011, 118, 339-347.	1.4	15

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73	Presence of CD8 α -CD8 β -positive TcR α β thymocytes in the fetal murine thymus and their in vitro expansion with interleukin-7. <i>European Journal of Immunology</i> , 1992, 22, 2189-2193.	2.9	14
74	Innate lymphoid cells in the upper airways: importance of CD117 and IL-1RI expression. <i>European Respiratory Journal</i> , 2018, 52, 1800742.	6.7	14
75	Regulatory Role for NK Cells in a Mouse Model of Systemic Juvenile Idiopathic Arthritis. <i>Journal of Immunology</i> , 2019, 203, 3339-3348.	0.8	14
76	Differential Ly49e Expression Pathways in Resting versus TCR-Activated Intraepithelial α β T Cells. <i>Journal of Immunology</i> , 2013, 190, 1982-1990.	0.8	12
77	Ly49 and CD94/NKG2 receptor acquisition by NK cells does not require lymphotoxin- β receptor expression. <i>Blood</i> , 2005, 106, 956-962.	1.4	10
78	Langerhans cells are not required for epidermal α β T cell homeostasis and function. <i>Journal of Leukocyte Biology</i> , 2011, 90, 61-68.	3.3	10
79	Activation by SLAM Family Receptors Contributes to NK Cell Mediated "Missing-Self" Recognition. <i>PLoS ONE</i> , 2016, 11, e0153236.	2.5	10
80	Ly49E Expression on CD8 α -Expressing Intestinal Intraepithelial Lymphocytes Plays No Detectable Role in the Development and Progression of Experimentally Induced Inflammatory Bowel Diseases. <i>PLoS ONE</i> , 2014, 9, e110015.	2.5	9
81	Comparative analysis of the immune responses induced by native versus recombinant versions of the ASP-based vaccine against the bovine intestinal parasite <i>Cooperia oncophora</i> . <i>International Journal for Parasitology</i> , 2018, 48, 41-49.	3.1	9
82	In vitro generation of immune cells from pluripotent stem cells. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 1488.	3.0	8
83	Small-scale manufacturing of neoantigen-encoding messenger RNA for early-phase clinical trials. <i>Cytotherapy</i> , 2022, 24, 213-222.	0.7	8
84	Expression of the inhibitory Ly49E receptor is not critically involved in the immune response against cutaneous, pulmonary or liver tumours. <i>Scientific Reports</i> , 2016, 6, 30564.	3.3	7
85	Human Thymic CD10+ PD-1+ Intraepithelial Lymphocyte Precursors Acquire Interleukin-15 Responsiveness at the CD1a hi CD95+ CD28 hi CCR7 hi Developmental Stage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8785.	4.1	7
86	Human Fetal Liver Cells Differentiate Into Thymocytes in Chimeric Mouse Fetal Thymus Organ Culture. <i>Advances in Experimental Medicine and Biology</i> , 1994, 355, 27-31.	1.6	6
87	Cellular immunity changes caused by LDH virus: Analogy with observations on neuroblastoma-bearing mice. <i>International Journal of Cancer</i> , 1987, 40, 669-675.	5.1	5
88	The Ly49E Receptor Inhibits the Immune Control of Acute <i>Trypanosoma cruzi</i> Infection. <i>Frontiers in Immunology</i> , 2016, 7, 472.	4.8	5
89	Interleukin 4 induces CD8 α expression on T cell receptor α β thymocytes. <i>European Journal of Immunology</i> , 1991, 21, 1751-1754.	2.9	4
90	Contribution of the Ly49E Natural Killer Receptor in the Immune Response to <i>Plasmodium berghei</i> Infection and Control of Hepatic Parasite Development. <i>PLoS ONE</i> , 2014, 9, e87463.	2.5	4

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91	The role of Ly49E receptor expression on murine intraepithelial lymphocytes in intestinal cancer development and progression. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 1365-1375.	4.2	4
92	T-cells with a single tumor antigen-specific T-cell receptor can be generated <i>in vitro</i> from clinically relevant stem cell sources. <i>Oncolmmunology</i> , 2020, 9, 1727078.	4.6	4
93	Immune response to murine neuroblastoma: Effects of <i>in vitro</i> culture of the tumor. <i>Journal of Neuroimmunology</i> , 1987, 15, 111-120.	2.3	3
94	Enhanced oxygen metabolism of peritoneal macrophages in the presence of murine neuroblastoma cells is partly caused by enkephalins. <i>Journal of Neuroimmunology</i> , 1988, 19, 269-278.	2.3	3
95	Conventional and Computational Flow Cytometry Analyses Reveal Sustained Human Intrathymic T Cell Development From Birth Until Puberty. <i>Frontiers in Immunology</i> , 2020, 11, 1659.	4.8	3
96	<i>In vitro</i> OP9-DL1 co-culture and subsequent maturation in the presence of IL-21 generates tumor antigen-specific T cells with a favorable less-differentiated phenotype and enhanced functionality. <i>Oncolmmunology</i> , 2021, 10, 1954800.	4.6	3
97	Difference in replication of low-passage MCMV HaNa1 in BALB/c, C57BL/6 and NOD mice and role of different branches of immunity in susceptibility. <i>Virus Research</i> , 2016, 221, 38-46.	2.2	2
98	A Novel Non-Coding Variant in DCLRE1C Results in Deregulated Splicing and Induces SCID Through the Generation of a Truncated ARTEMIS Protein That Fails to Support V(D)J Recombination and DNA Damage Repair. <i>Frontiers in Immunology</i> , 2021, 12, 674226.	4.8	2
99	Expression and Function of Fc Receptors in the Thymus. <i>Critical Reviews in Immunology</i> , 1995, 15, 215-233.	0.5	2
100	<i>In vitro</i> human embryonic stem cell hematopoiesis mimics MYB independent yolk sac hematopoiesis. <i>Experimental Hematology</i> , 2014, 42, S63.	0.4	1
101	Treatment of a patient with severe cytomegalovirus (CMV) infection after haploidentical stem cell transplantation with donor-derived CMV-specific T cells. <i>Acta Clinica Belgica</i> , 2020, 76, 1-5.	1.2	1
102	CD4 and CD8 TCR $\alpha\beta$ Cells Are selected On MHC Expressed On Thymocyte Precursors in OP9-DL1 Cultures.. <i>Blood</i> , 2009, 114, 3670-3670.	1.4	1
103	Chimeric Antigen Receptor Transgenic, T Cell Receptor/CD3 Negative Monospecific T Cells Generated from Cord Blood CD34 Positive Cells. <i>Blood</i> , 2015, 126, 3087-3087.	1.4	1
104	Sa.122. IL-15 Augments CD4+ T-Cell Proliferation by Inhibiting the Suppressive Function of CD25 ^{high} CD4+ Regulatory T-Cells. <i>Clinical Immunology</i> , 2006, 119, S148-S149.	3.2	0
105	cMYB expression during human <i>in vitro</i> hematopoiesis. <i>Experimental Hematology</i> , 2013, 41, S33.	0.4	0
106	ID: 195. <i>Cytokine</i> , 2015, 76, 99-100.	3.2	0
107	Generation of T Cells from Human Embryonic Stem Cells.. <i>Blood</i> , 2008, 112, 1527-1527.	1.4	0
108	Human T Cell Differentiation: New Techniques, Old Challenges. , 2010, , 351-371.		0

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109	Specific Notch receptor–ligand interactions control human TCR-ab/gd development by inducing differential Notch signal strength. <i>Journal of Cell Biology</i> , 2013, 201, i2-i2.	5.2	0
110	T-BET and EOMES Accelerate and Enhance Functional Differentiation of Human Natural Killer Cells. <i>Frontiers in Immunology</i> , 2021, 12, 732511.	4.8	0