

Sylvie Lesage

List of Publications by Year in descending order

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92
papers

4,114
citations

186209

28
h-index

118793

62
g-index

94
all docs

94
docs citations

94
times ranked

5297
citing authors

#	ARTICLE	IF	CITATIONS
1	Aire regulates negative selection of organ-specific T cells. <i>Nature Immunology</i> , 2003, 4, 350-354.	7.0	729
2	Novel Dimeric Nur77 Signaling Mechanism in Endocrine and Lymphoid Cells. <i>Molecular and Cellular Biology</i> , 1997, 17, 5946-5951.	1.1	340
3	Identifying the MAGUK Protein Carma-1 as a Central Regulator of Humoral Immune Responses and Atopy by Genome-Wide Mouse Mutagenesis. <i>Immunity</i> , 2003, 18, 751-762.	6.6	283
4	Gene Dosageâ€“limiting Role of Aire in Thymic Expression, Clonal Deletion, and Organ-specific Autoimmunity. <i>Journal of Experimental Medicine</i> , 2004, 200, 1015-1026.	4.2	271
5	The Importance of Dendritic Cells in Maintaining Immune Tolerance. <i>Journal of Immunology</i> , 2017, 198, 2223-2231.	0.4	207
6	Antagonism between Nur77 and Glucocorticoid Receptor for Control of Transcription. <i>Molecular and Cellular Biology</i> , 1997, 17, 5952-5959.	1.1	184
7	Generalized Resistance to Thymic Deletion in the NOD MouseA Polygenic Trait Characterized by Defective Induction of Bim. <i>Immunity</i> , 2004, 21, 817-830.	6.6	132
8	Failure to Censor Forbidden Clones of CD4 T Cells in Autoimmune Diabetes. <i>Journal of Experimental Medicine</i> , 2002, 196, 1175-1188.	4.2	129
9	Genetic predisposition for beta cell fragility underlies type 1 and type 2 diabetes. <i>Nature Genetics</i> , 2016, 48, 519-527.	9.4	117
10	Generalized Resistance to Thymic Deletion in the NOD Mouse. <i>Immunity</i> , 2004, 21, 817-830.	6.6	90
11	Specific Activation of the Cysteine Protease CPP32 during the Negative Selection of T Cells in the Thymus. <i>Journal of Experimental Medicine</i> , 1997, 186, 1503-1512.	4.2	88
12	A comprehensive review of the phenotype and function of antigen-specific immunoregulatory double negative T cells. <i>Journal of Autoimmunity</i> , 2013, 40, 58-65.	3.0	88
13	Expression of the self-marker CD47 on dendritic cells governs their trafficking to secondary lymphoid organs. <i>EMBO Journal</i> , 2006, 25, 5560-5568.	3.5	83
14	IL23R (Interleukin 23 Receptor) Variants Protective against Inflammatory Bowel Diseases (IBD) Display Loss of Function due to Impaired Protein Stability and Intracellular Trafficking. <i>Journal of Biological Chemistry</i> , 2016, 291, 8673-8685.	1.6	71
15	Genetic lesions in T-cell tolerance and thresholds for autoimmunity. <i>Immunological Reviews</i> , 2005, 204, 87-101.	2.8	69
16	CD4+ CD8+ thymocytes are preferentially induced to die following CD45 cross-linking, through a novel apoptotic pathway. <i>Journal of Immunology</i> , 1997, 159, 4762-71.	0.4	63
17	T Cell Tolerance to a Neo-Self Antigen Expressed by Thymic Epithelial Cells: The Soluble Form Is More Effective Than the Membrane-Bound Form. <i>Journal of Immunology</i> , 2003, 170, 3954-3962.	0.4	48
18	LILAC pilot study: Effects of metformin on mTOR activation and HIV reservoir persistence during antiretroviral therapy. <i>EBioMedicine</i> , 2021, 65, 103270.	2.7	46

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19	The orphan nuclear receptor NR4A3 controls the differentiation of monocyte-derived dendritic cells following microbial stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15150-15159.	3.3	44
20	Identification of Glycosylation Sites Essential for Surface Expression of the CaV β 2 γ 1 Subunit and Modulation of the Cardiac CaV1.2 Channel Activity. <i>Journal of Biological Chemistry</i> , 2016, 291, 4826-4843.	1.6	39
21	Interleukin-10 limits the expansion of immunoregulatory CD4 $^{+}$ CD8 $^{-}$ T cells in autoimmune-prone non-obese diabetic mice. <i>Immunology and Cell Biology</i> , 2010, 88, 771-780.	1.0	38
22	Cutting Edge: CD47 Controls the In Vivo Proliferation and Homeostasis of Peripheral CD4 $^{+}$ CD25 $^{+}$ Foxp3 $^{+}$ Regulatory T Cells That Express CD103. <i>Journal of Immunology</i> , 2008, 181, 5204-5208.	0.4	37
23	Abnormal differentiation of B cells and megakaryocytes in patients with Roifman syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 630-646.	1.5	36
24	Implication of the CD47 pathway in autoimmune diabetes. <i>Journal of Autoimmunity</i> , 2010, 35, 23-32.	3.0	34
25	The Dichotomous Pattern of IL-12R and IL-23R Expression Elucidates the Role of IL-12 and IL-23 in Inflammation. <i>PLoS ONE</i> , 2014, 9, e89092.	1.1	34
26	Organ-Specific Autoimmune Disease. <i>Journal of Experimental Medicine</i> , 2001, 194, F31-F36.	4.2	33
27	Immunoregulatory CD4-CD8- T cells as a potential therapeutic tool for transplantation, autoimmunity, and cancer. <i>Frontiers in Immunology</i> , 2013, 4, 6.	2.2	33
28	Functional Characterization of CaV β 2 γ Mutations Associated with Sudden Cardiac Death. <i>Journal of Biological Chemistry</i> , 2015, 290, 2854-2869.	1.6	33
29	Redefining interferon-producing killer dendritic cells as a novel intermediate in NK-cell differentiation. <i>Blood</i> , 2012, 119, 4349-4357.	0.6	30
30	MARCH1 E3 Ubiquitin Ligase Dampens the Innate Inflammatory Response by Modulating Monocyte Functions in Mice. <i>Journal of Immunology</i> , 2017, 198, 852-861.	0.4	29
31	BMP9 signaling promotes the normalization of tumor blood vessels. <i>Oncogene</i> , 2020, 39, 2996-3014.	2.6	27
32	Molecular and genetic parameters defining T α cell clonal selection. <i>Immunology and Cell Biology</i> , 2011, 89, 16-26.	1.0	26
33	Common Heritable Immunological Variations Revealed in Genetically Diverse Inbred Mouse Strains of the Collaborative Cross. <i>Journal of Immunology</i> , 2019, 202, 777-786.	0.4	26
34	Evidence that MHC I-E dampens thyroid autoantibodies and prevents spreading to a second thyroid autoantigen in I-A k NOD mice. <i>Genes and Immunity</i> , 2015, 16, 268-274.	2.2	25
35	Upregulated IL-32 Expression And Reduced Gut Short Chain Fatty Acid Caproic Acid in People Living With HIV With Subclinical Atherosclerosis. <i>Frontiers in Immunology</i> , 2021, 12, 664371.	2.2	25
36	The Role of Endoplasmic Reticulum Stress in Nonimmune Diabetes: NOD.k iHEL, a Novel Model of β Cell Death. <i>Annals of the New York Academy of Sciences</i> , 2003, 1005, 178-183.	1.8	23

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37	Flt3L-Mediated Expansion of Plasmacytoid Dendritic Cells Suppresses HIV Infection in Humanized Mice. <i>Cell Reports</i> , 2019, 29, 2770-2782.e5.	2.9	23
38	Specific targeting of the IL-23 receptor, using a novel small peptide noncompetitive antagonist, decreases the inflammatory response. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1216-R1230.	0.9	22
39	Restoring T Cell Homeostasis After Allogeneic Stem Cell Transplantation; Principal Limitations and Future Challenges. <i>Frontiers in Immunology</i> , 2018, 9, 1237.	2.2	20
40	The NOD Mouse Beyond Autoimmune Diabetes. <i>Frontiers in Immunology</i> , 2022, 13, 874769.	2.2	20
41	Thymic Selection Generates T Cells Expressing Self-Reactive TCRs in the Absence of CD45. <i>Journal of Immunology</i> , 2000, 165, 3073-3079.	0.4	18
42	Cutting Edge: Genetic Characterization of IFN-Producing Killer Dendritic Cells. <i>Journal of Immunology</i> , 2009, 182, 5193-5197.	0.4	18
43	Loss of interleukin-17 receptor D promotes chronic inflammation-associated tumorigenesis. <i>Oncogene</i> , 2021, 40, 452-464.	2.6	18
44	Revisiting the Prominent Anti-Tumoral Potential of Pre-mNK Cells. <i>Frontiers in Immunology</i> , 2013, 4, 446.	2.2	16
45	High-level intrathymic thyrotrophin receptor expression in thyroiditis-prone mice protects against the spontaneous generation of pathogenic thyrotrophin receptor autoantibodies. <i>Clinical and Experimental Immunology</i> , 2017, 188, 243-253.	1.1	16
46	Double-Negative T Cell Levels Correlate with Chronic Graft-versus-Host Disease Severity. <i>Biology of Blood and Marrow Transplantation</i> , 2019, 25, 19-25.	2.0	16
47	The Mouse <i>Idd2</i> Locus Is Linked to the Proportion of Immunoregulatory Double-Negative T Cells, a Trait Associated with Autoimmune Diabetes Resistance. <i>Journal of Immunology</i> , 2014, 193, 3503-3512.	0.4	15
48	Functional screen of inflammatory bowel disease genes reveals key epithelial functions. <i>Genome Medicine</i> , 2021, 13, 181.	3.6	14
49	The <i>Idd13</i> congenic interval defines the number of merocytic dendritic cells, a novel trait associated with autoimmune diabetes susceptibility. <i>Journal of Autoimmunity</i> , 2013, 43, 70-77.	3.0	13
50	An Unbiased Linkage Approach Reveals That the p53 Pathway Is Coupled to NK Cell Maturation. <i>Journal of Immunology</i> , 2017, 199, 1490-1504.	0.4	13
51	On-chip refractive index cytometry for whole-cell deformability discrimination. <i>Lab on A Chip</i> , 2019, 19, 464-474.	3.1	13
52	Collagen analogs with phosphorylcholine are inflammation-suppressing scaffolds for corneal regeneration from alkali burns in mini-pigs. <i>Communications Biology</i> , 2021, 4, 608.	2.0	13
53	Mechanism of insulin resistance in a rat model of kidney disease and the risk of developing type 2 diabetes. <i>PLoS ONE</i> , 2017, 12, e0176650.	1.1	13
54	Nearby Construction Impedes the Progression to Overt Autoimmune Diabetes in NOD Mice. <i>Journal of Diabetes Research</i> , 2013, 2013, 1-7.	1.0	11

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55	Merocytic Dendritic Cells Compose a Conventional Dendritic Cell Subset with Low Metabolic Activity. <i>Journal of Immunology</i> , 2020, 205, 121-132.	0.4	11
56	A Cell Death Pathway Induced by Antibody-Mediated Cross-Linking of CD45 on Lymphocytes. <i>Critical Reviews in Immunology</i> , 2003, 23, 421-440.	1.0	11
57	Induction of thymocyte deletion by purified single peptide/major histocompatibility complex ligands. <i>Journal of Immunology</i> , 1997, 159, 2078-81.	0.4	11
58	Absence of CD47 in vivo influences thymic dendritic cell subset proportions but not negative selection of thymocytes. <i>International Immunology</i> , 2009, 21, 167-177.	1.8	10
59	The Importance of Single-Mode Behavior in Silicon-On-Insulator Rib Waveguides With Very Large Cross Section for Resonant Sensing Applications. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 241-248.	1.9	10
60	A transcriptome-based approach to identify functional modules within and across primary human immune cells. <i>PLoS ONE</i> , 2020, 15, e0233543.	1.1	10
61	The Size of the Plasmacytoid Dendritic Cell Compartment Is a Multigenic Trait Dominated by a Locus on Mouse Chromosome 7. <i>Journal of Immunology</i> , 2012, 188, 5561-5570.	0.4	9
62	Context-dependent effects of IL-2 rewire immunity into distinct cellular circuits. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	9
63	Idd13 is involved in determining immunoregulatory DN T-cell number in NOD mice. <i>Genes and Immunity</i> , 2014, 15, 82-87.	2.2	8
64	Genes Outside the Major Histocompatibility Complex Locus Are Linked to the Development of Thyroid Autoantibodies and Thyroiditis in NOD.H2h4 Mice. <i>Endocrinology</i> , 2017, 158, 702-713.	1.4	8
65	High-throughput refractive index-based microphotonic sensor for enhanced cellular discrimination. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 255-262.	4.0	8
66	FLT3 Ligand Is Dispensable for the Final Stage of Type 1 Conventional Dendritic Cell Differentiation. <i>Journal of Immunology</i> , 2020, 205, 2117-2127.	0.4	8
67	Determination of the Relative Cell Surface and Total Expression of Recombinant Ion Channels Using Flow Cytometry. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	7
68	Biomarker-guided stratification of autoimmune patients for biologic therapy. <i>Current Opinion in Immunology</i> , 2017, 49, 56-63.	2.4	7
69	Bisphosphoglycerate Mutase Deficiency Protects against Cerebral Malaria and Severe Malaria-Induced Anemia. <i>Cell Reports</i> , 2020, 32, 108170.	2.9	7
70	Glycolipid Stimulation of Invariant NKT Cells Expands a Unique Tissue-Resident Population of Precursors to Mature NK Cells Endowed with Oncolytic and Antimetastatic Properties. <i>Journal of Immunology</i> , 2019, 203, 1808-1819.	0.4	6
71	MHC-Independent Thymic Selection of CD4 and CD8 Coreceptor Negative $\hat{1}\hat{2}$ T Cells. <i>Journal of Immunology</i> , 2020, 205, 133-142.	0.4	6
72	CD5 levels reveal distinct basal Tâ€cell receptor signals in T cells from nonâ€obese diabetic mice. <i>Immunology and Cell Biology</i> , 2021, 99, 656-667.	1.0	6

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73	<sc>BIM</sc> determines the number of merocytic dendritic cells, a cell type that breaks immune tolerance. Immunology and Cell Biology, 2018, 96, 1008-1017.	1.0	5
74	Acute invariant NKT cell activation triggers an immune response that drives prominent changes in iron homeostasis. Scientific Reports, 2020, 10, 21026.	1.6	5
75	Starting Your Independent Research Laboratory. Stroke, 2021, 52, e520-e522.	1.0	5
76	A <sc>ZAP</sc>â€70 kinase domain variant prevents thymocyteâ€positive selection despite signalling <sc>CD</sc>69 induction. Immunology, 2014, 141, 587-595.	2.0	4
77	Autoimmunity and antibody affinity maturation are modulated by genetic variants on mouse chromosome 12. Journal of Autoimmunity, 2015, 58, 90-99.	3.0	4
78	NK Cell Proportion and Number Are Influenced by Genetic Loci on Chromosomes 8, 9, and 17. Journal of Immunology, 2016, 196, 2627-2636.	0.4	4
79	TCR transgenic mice reveal the impact of type 1 diabetes loci on early and late disease checkpoints. Immunology and Cell Biology, 2016, 94, 709-713.	1.0	4
80	Induced and spontaneous colitis mouse models reveal complex interactions between IL-10 and IL-12/IL-23 pathways. Cytokine, 2019, 121, 154738.	1.4	4
81	Humoral responses to the measles, mumps and rubella vaccine are impaired in Leigh Syndrome French Canadian patients. PLoS ONE, 2020, 15, e0239860.	1.1	4
82	OCAâ€B does not act as a transcriptional coactivator in T cells. Immunology and Cell Biology, 2022, 100, 338-351.	1.0	4
83	An orthologous non-MHC locus in rats and mice is linked to CD4+ and CD8+ T-cell proportion. Genes and Immunity, 2017, 18, 118-126.	2.2	3
84	Unusual selection and peripheral homeostasis for immunoregulatory <sc>CD</sc>4^{â€™}Â<sc>CD</sc>8^{â€™}T</sc> cells. Immunology, 2013, 139, 129-139.	2.0	2
85	Applying for Junior Faculty Positions as a Research Scientist. Stroke, 2021, 52, e360-e363.	1.0	2
86	Inhibitory effects of T-cell stimulation and co-stimulation observed at high concentrations of plate-bound antibodies. Journal of Immunological Methods, 2001, 255, 23-26.	0.6	1
87	Genetic interaction between two insulin-dependent diabetes susceptibility loci, Idd2 and Idd13, in determining immunoregulatory DN T cell proportion. Immunogenetics, 2018, 70, 495-509.	1.2	1
88	Evidence of genetic epistasis in autoimmune diabetes susceptibility revealed by mouse congenic sublines. Immunogenetics, 2021, 73, 307-319.	1.2	1
89	OPTOFLUIDIC DEVICE FOR HIGH RESOLUTION AND MULTIPARAMETRIC MEASUREMENT OF SINGLE BIOLOGICAL CELLS. , 2014, , .		1
90	High-throughput volume refractive index distribution measurement through mechanical deformation of single cells. , 2016, , .		0

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91	Sa449 SERUM ANALYTE PROFILES ASSOCIATED WITH CROHN'S DISEASE AND DISEASE LOCATION. Gastroenterology, 2021, 160, S-503.	0.6	0
92	The Idd2 Locus Confers Prominent Resistance to Autoimmune Diabetes. Journal of Immunology, 2022, 208, 898-909.	0.4	0