

Sergio A Lira

List of Publications by Year in descending order

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108
papers

12,269
citations

26626

56
h-index

25787

108
g-index

132
all docs

132
docs citations

132
times ranked

17574
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of microglial neurotoxicity by the fractalkine receptor. <i>Nature Neuroscience</i> , 2006, 9, 917-924.	14.8	1,334
2	C-C chemokine receptor 6-regulated entry of TH-17 cells into the CNS through the choroid plexus is required for the initiation of EAE. <i>Nature Immunology</i> , 2009, 10, 514-523.	14.5	1,030
3	Alloantigen-presenting plasmacytoid dendritic cells mediate tolerance to vascularized grafts. <i>Nature Immunology</i> , 2006, 7, 652-662.	14.5	589
4	CCR6 Mediates Dendritic Cell Localization, Lymphocyte Homeostasis, and Immune Responses in Mucosal Tissue. <i>Immunity</i> , 2000, 12, 495-503.	14.3	478
5	Transgenic Expression of the Chemokine Receptor Encoded by Human Herpesvirus 8 Induces an Angioproliferative Disease Resembling Kaposi's Sarcoma. <i>Journal of Experimental Medicine</i> , 2000, 191, 445-454.	8.5	394
6	Dendritic Cells Rapidly Recruited into Epithelial Tissues via CCR6/CCL20 Are Responsible for CD8+ T Cell Crosspriming In Vivo. <i>Immunity</i> , 2006, 24, 191-201.	14.3	336
7	Attenuation of Allergen-Induced Responses in CCR6 ^{-/-} Mice Is Dependent upon Altered Pulmonary T Lymphocyte Activation. <i>Journal of Immunology</i> , 2005, 174, 2054-2060.	0.8	306
8	Microbial signals drive pre-leukaemic myeloproliferation in a Tet2-deficient host. <i>Nature</i> , 2018, 557, 580-584.	27.8	296
9	Ubiquitous Transgenic Expression of the IL-23 Subunit p19 Induces Multiorgan Inflammation, Runting, Infertility, and Premature Death. <i>Journal of Immunology</i> , 2001, 166, 7563-7570.	0.8	278
10	Mouse CCL8, a CCR8 agonist, promotes atopic dermatitis by recruiting IL-5+ TH2 cells. <i>Nature Immunology</i> , 2011, 12, 167-177.	14.5	274
11	Role of CCR8 and Other Chemokine Pathways in the Migration of Monocyte-derived Dendritic Cells to Lymph Nodes. <i>Journal of Experimental Medicine</i> , 2004, 200, 1231-1241.	8.5	266
12	CX3CR1 regulates intestinal macrophage homeostasis, bacterial translocation, and colitogenic Th17 responses in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 4787-4795.	8.2	262
13	Intratumoral heterogeneity and clonal evolution in liver cancer. <i>Nature Communications</i> , 2020, 11, 291.	12.8	230
14	Aberrant in Vivo T Helper Type 2 Cell Response and Impaired Eosinophil Recruitment in Cc Chemokine Receptor 8 Knockout Mice. <i>Journal of Experimental Medicine</i> , 2001, 193, 573-584.	8.5	222
15	In vivo structure/function and expression analysis of the CX3C chemokine fractalkine. <i>Blood</i> , 2011, 118, e156-e167.	1.4	218
16	Sensory lesioning induces microglial synapse elimination via ADAM10 and fractalkine signaling. <i>Nature Neuroscience</i> , 2019, 22, 1075-1088.	14.8	207
17	The Reduced Expression of 6ckine in the plt Mouse Results from the Deletion of One of Two 6ckine Genes. <i>Journal of Experimental Medicine</i> , 1999, 190, 1183-1188.	8.5	198
18	Ectopic Expression of the Murine Chemokines CCL21a and CCL21b Induces the Formation of Lymph Node-Like Structures in Pancreas, But Not Skin, of Transgenic Mice. <i>Journal of Immunology</i> , 2002, 168, 1001-1008.	0.8	179

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19	Up-Regulated Expression of the CXCR2 Ligand KC/GRO- α in Atherosclerotic Lesions Plays a Central Role in Macrophage Accumulation and Lesion Progression. <i>American Journal of Pathology</i> , 2006, 168, 1385-1395.	3.8	177
20	CCR8 ⁺ FOXP3 ⁺ T _{reg} cells as master drivers of immune regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6086-6091.	7.1	173
21	Different tissue phagocytes sample apoptotic cells to direct distinct homeostasis programs. <i>Nature</i> , 2016, 539, 565-569.	27.8	166
22	Myeloid cell-derived inducible nitric oxide synthase suppresses M1 macrophage polarization. <i>Nature Communications</i> , 2015, 6, 6676.	12.8	162
23	CARD9 ⁺ microglia promote antifungal immunity via IL-1 β - and CXCL1-mediated neutrophil recruitment. <i>Nature Immunology</i> , 2019, 20, 559-570.	14.5	162
24	Hepatic macrophage migration and differentiation critical for liver fibrosis is mediated by the chemokine receptor C-C motif chemokine receptor 8 in mice. <i>Hepatology</i> , 2012, 55, 898-909.	7.3	144
25	DC-SIGN ⁺ Macrophages Control the Induction of Transplantation Tolerance. <i>Immunity</i> , 2015, 42, 1143-1158.	14.3	144
26	Generation and Analysis of Mice Lacking the Chemokine Fractalkine. <i>Molecular and Cellular Biology</i> , 2001, 21, 3159-3165.	2.3	143
27	Requirement for the Chemokine Receptor Ccr6 in Allergic Pulmonary Inflammation. <i>Journal of Experimental Medicine</i> , 2001, 194, 551-556.	8.5	134
28	Interaction of mature CD3 ⁺ CD4 ⁺ T cells with dendritic cells triggers the development of tertiary lymphoid structures in the thyroid. <i>Journal of Clinical Investigation</i> , 2006, 116, 2622-2632.	8.2	133
29	Gut microbiota density influences host physiology and is shaped by host and microbial factors. <i>ELife</i> , 2019, 8, .	6.0	118
30	Chemokine Receptor CCR2 but Not CCR5 or CCR6 Mediates the Increase in Pulmonary Dendritic Cells during Allergic Airway Inflammation. <i>Journal of Immunology</i> , 2007, 178, 5305-5311.	0.8	115
31	CXCL1 Regulates Pulmonary Host Defense to <i>Klebsiella</i> Infection via CXCL2, CXCL5, NF- κ B, and MAPKs. <i>Journal of Immunology</i> , 2010, 185, 6214-6225.	0.8	109
32	CXCL5 Drives Neutrophil Recruitment in TH17-Mediated GN. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 55-66.	6.1	105
33	Increased Expression of CCL2 in Insulin-Producing Cells of Transgenic Mice Promotes Mobilization of Myeloid Cells From the Bone Marrow, Marked Insulinitis, and Diabetes. <i>Diabetes</i> , 2008, 57, 3025-3033.	0.6	102
34	Lymphotoxin beta receptor signaling is required for inflammatory lymphangiogenesis in the thyroid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5026-5031.	7.1	99
35	The cytomegalovirus-encoded chemokine receptor US28 promotes intestinal neoplasia in transgenic mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 3969-3978.	8.2	96
36	Tumorigenesis induced by the HHV8-encoded chemokine receptor requires ligand modulation of high constitutive activity. <i>Journal of Clinical Investigation</i> , 2001, 108, 1789-1796.	8.2	95

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37	Mice deficient in the CXCR2 ligand, CXCL1 (KC/GRO- α), exhibit increased susceptibility to dextran sodium sulfate (DSS)-induced colitis. <i>Innate Immunity</i> , 2008, 14, 117-124.	2.4	94
38	A Novel Model for Lymphocytic Infiltration of the Thyroid Gland Generated by Transgenic Expression of the CC Chemokine CCL21. <i>Journal of Immunology</i> , 2004, 173, 4791-4798.	0.8	81
39	Impaired Pulmonary Host Defense in Mice Lacking Expression of the CXC Chemokine Lungkine. <i>Journal of Immunology</i> , 2001, 166, 3362-3368.	0.8	76
40	CX3CL1 Promotes Breast Cancer via Transactivation of the EGF Pathway. <i>Cancer Research</i> , 2013, 73, 4461-4473.	0.9	76
41	Interleukin-33 Induces the Enzyme Tryptophan Hydroxylase 1 to Promote Inflammatory Group 2 Innate Lymphoid Cell-Mediated Immunity. <i>Immunity</i> , 2020, 52, 606-619.e6.	14.3	76
42	CNS Langerhans cell histiocytosis: Common hematopoietic origin for LCH-associated neurodegeneration and mass lesions. <i>Cancer</i> , 2018, 124, 2607-2620.	4.1	73
43	Interplay of host microbiota, genetic perturbations, and inflammation promotes local development of intestinal neoplasms in mice. <i>Journal of Experimental Medicine</i> , 2014, 211, 457-472.	8.5	71
44	Ulcerative colitis is characterized by a plasmablast-skewed humoral response associated with disease activity. <i>Nature Medicine</i> , 2022, 28, 766-779.	30.7	70
45	Mice deficient for CCR6 fail to control chronic experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2009, 213, 91-99.	2.3	69
46	The human herpesvirus 8 chemokine receptor vGPCR triggers autonomous proliferation of endothelial cells. <i>Journal of Clinical Investigation</i> , 2006, 116, 1264-1273.	8.2	68
47	Microglial CX3CR1 promotes adult neurogenesis by inhibiting Sirt 1/p65 signaling independent of CX3CL1. <i>Acta Neuropathologica Communications</i> , 2016, 4, 102.	5.2	67
48	The Human Herpes Virus 8-Encoded Chemokine Receptor Is Required for Angioproliferation in a Murine Model of Kaposi's Sarcoma. <i>Journal of Immunology</i> , 2005, 174, 3686-3694.	0.8	65
49	Inhibition of CCL1-CCR8 Interaction Prevents Aggregation of Macrophages and Development of Peritoneal Adhesions. <i>Journal of Immunology</i> , 2007, 178, 5296-5304.	0.8	65
50	Anti- α 4 β 7 therapy targets lymphoid aggregates in the gastrointestinal tract of HIV-1-infected individuals. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	65
51	Disruption of Neutrophil Migration in a Conditional Transgenic Model: Evidence for CXCR2 Desensitization In Vivo. <i>Journal of Immunology</i> , 2001, 167, 7102-7110.	0.8	64
52	CCL20/CCR6 blockade enhances immunity to RSV by impairing recruitment of DC. <i>European Journal of Immunology</i> , 2010, 40, 1042-1052.	2.9	64
53	Epithelial-derived IL-33 promotes intestinal tumorigenesis in Apc Min/+ mice. <i>Scientific Reports</i> , 2017, 7, 5520.	3.3	64
54	Transient Lung-Specific Expression of the Chemokine KC Improves Outcome in Invasive Aspergillosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 1263-1268.	5.6	63

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55	Disruption of CCL21-Induced Chemotaxis In Vitro and In Vivo by M3, a Chemokine-Binding Protein Encoded by Murine Gammaherpesvirus 68. <i>Journal of Virology</i> , 2003, 77, 624-630.	3.4	62
56	The Chemokine Binding Protein M3 Prevents Diabetes Induced by Multiple Low Doses of Streptozotocin. <i>Journal of Immunology</i> , 2007, 178, 4623-4631.	0.8	62
57	The biology of chemokines and their receptors. <i>Immunologic Research</i> , 2012, 54, 111-120.	2.9	61
58	Central Nervous System Inflammation and Neurological Disease in Transgenic Mice Expressing the CC Chemokine CCL21 in Oligodendrocytes. <i>Journal of Immunology</i> , 2002, 168, 1009-1017.	0.8	58
59	A Critical Role for Dendritic Cells in the Formation of Lymphatic Vessels within Tertiary Lymphoid Structures. <i>Journal of Immunology</i> , 2011, 187, 828-834.	0.8	58
60	IL-23 activates innate lymphoid cells to promote neonatal intestinal pathology. <i>Mucosal Immunology</i> , 2015, 8, 390-402.	6.0	50
61	Food colorants metabolized by commensal bacteria promote colitis in mice with dysregulated expression of interleukin-23. <i>Cell Metabolism</i> , 2021, 33, 1358-1371.e5.	16.2	49
62	Enteric pathogens induce tissue tolerance and prevent neuronal loss from subsequent infections. <i>Cell</i> , 2021, 184, 5715-5727.e12.	28.9	49
63	Inhibition of Intimal Hyperplasia in Transgenic Mice Conditionally Expressing the Chemokine-Binding Protein M3. <i>American Journal of Pathology</i> , 2004, 164, 2289-2297.	3.8	48
64	Human Cytomegalovirus US28 Facilitates Cell-to-Cell Viral Dissemination. <i>Viruses</i> , 2014, 6, 1202-1218.	3.3	48
65	The Role of CC Chemokine Receptor 6 in Host Defense in a Model of Invasive Pulmonary Aspergillosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 1165-1172.	5.6	46
66	CCR8 marks highly suppressive Treg cells within tumours but is dispensable for their accumulation and suppressive function. <i>Immunology</i> , 2021, 163, 512-520.	4.4	46
67	Dynamic regulation of B cell complement signaling is integral to germinal center responses. <i>Nature Immunology</i> , 2021, 22, 757-768.	14.5	44
68	The Chemokine Decoy Receptor M3 Blocks CC Chemokine Ligand 2 and CXC Chemokine Ligand 13 Function In Vivo. <i>Journal of Immunology</i> , 2006, 177, 7296-7302.	0.8	43
69	CCR6/CCR10-mediated plasmacytoid dendritic cell recruitment to inflamed epithelia after instruction in lymphoid tissues. <i>Blood</i> , 2011, 118, 5130-5140.	1.4	42
70	Islet Expression of M3 Uncovers a Key Role for Chemokines in the Development and Recruitment of Diabetogenic Cells in NOD Mice. <i>Diabetes</i> , 2008, 57, 387-394.	0.6	40
71	CXCL1, but not IL-6, significantly impacts intraocular inflammation during infection. <i>Journal of Leukocyte Biology</i> , 2016, 100, 1125-1134.	3.3	39
72	A Novel Model of Demyelinating Encephalomyelitis Induced by Monocytes and Dendritic Cells. <i>Journal of Immunology</i> , 2006, 177, 6871-6879.	0.8	38

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73	CC Chemokine Ligand 18 in ANCA-Associated Crescentic GN. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2105-2117.	6.1	38
74	CCR7 Deficiency in NOD Mice Leads to Thyroiditis and Primary Hypothyroidism. <i>Journal of Immunology</i> , 2009, 183, 3073-3080.	0.8	36
75	Mast Cell-Dependent CD8+ T-cell Recruitment Mediates Immune Surveillance of Intestinal Tumors in ApcMin/+ Mice. <i>Cancer Immunology Research</i> , 2018, 6, 332-347.	3.4	36
76	A Role for the Epidermal Growth Factor Receptor Signaling in Development of Intestinal Serrated Polyps in Mice and Humans. <i>Gastroenterology</i> , 2012, 143, 730-740.	1.3	32
77	Diet Modifies Colonic Microbiota and CD4+ T-Cell Repertoire to Induce Flares of Colitis in Mice With Myeloid-Cell Expression of Interleukin 23. <i>Gastroenterology</i> , 2018, 155, 1177-1191.e16.	1.3	32
78	A Functional Role for CCR6 on Proallergic T Cells in the Gastrointestinal Tract. <i>Gastroenterology</i> , 2010, 138, 275-284.e4.	1.3	31
79	Expression of the Chemokine Binding Protein M3 Promotes Marked Changes in the Accumulation of Specific Leukocytes Subsets Within the Intestine. <i>Gastroenterology</i> , 2009, 137, 1006-1018.e3.	1.3	30
80	Skin expression of IL-23 drives the development of psoriasis and psoriatic arthritis in mice. <i>Scientific Reports</i> , 2020, 10, 8259.	3.3	30
81	Characterization of candidate genes in inflammatory bowel disease-associated risk loci. <i>JCI Insight</i> , 2016, 1, e87899.	5.0	30
82	Tumor-Infiltrating Regulatory T-cell Accumulation in the Tumor Microenvironment Is Mediated by IL33/ST2 Signaling. <i>Cancer Immunology Research</i> , 2020, 8, 1393-1406.	3.4	28
83	The chemokine receptor CCR6 is an important component of the innate immune response. <i>European Journal of Immunology</i> , 2007, 37, 2487-2498.	2.9	27
84	Transgenic methods to study chemokine function in lung and central nervous system. <i>Methods in Enzymology</i> , 1997, 287, 304-318.	1.0	24
85	Absence of CC chemokine receptor 8 enhances innate immunity during septic peritonitis. <i>FASEB Journal</i> , 2006, 20, 302-304.	0.5	24
86	T Cell Expression of C5a Receptor 2 Augments Murine Regulatory T Cell (TREG) Generation and TREG-Dependent Cardiac Allograft Survival. <i>Journal of Immunology</i> , 2018, 200, 2186-2198.	0.8	23
87	Remission of chronic fungal asthma in the absence of CCR8. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 997-1004.	2.9	21
88	Mechanisms Regulating Lymphocytic Infiltration of the Thyroid in Murine Models of Thyroiditis. <i>Critical Reviews in Immunology</i> , 2005, 25, 251-262.	0.5	20
89	Interleukin 33 regulates gene expression in intestinal epithelial cells independently of its nuclear localization. <i>Cytokine</i> , 2018, 111, 146-153.	3.2	18
90	EGFR/Ras-induced CCL20 production modulates the tumour microenvironment. <i>British Journal of Cancer</i> , 2020, 123, 942-954.	6.4	18

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91	Endolysosomal trafficking of viral G protein-coupled receptor functions in innate immunity and control of viral oncogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2994-2999.	7.1	17
92	IFN- γ + cytotoxic CD4+ T lymphocytes are involved in the pathogenesis of colitis induced by IL-23 and the food colorant Red 40. , 2022, 19, 777-790.		16
93	Chemokine Receptor Ccr7 Restricts Fatal West Nile Virus Encephalitis. Journal of Virology, 2017, 91, .	3.4	14
94	Chapter 9 The Chemokine- β Binding Protein M3 as a Tool to Understand the Chemokine Network In Vivo. Methods in Enzymology, 2009, 460, 193-207.	1.0	10
95	Shaping of terminal megakaryocyte differentiation and proplatelet development by sphingosine-1-phosphate receptor S1P ₄. FASEB Journal, 2010, 24, 4701-4710.	0.5	10
96	Immune dysregulation in SHARPIN-deficient mice is dependent on CYLD-mediated cell death. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
97	Chemokines and Kaposi- TM s sarcoma. Seminars in Cancer Biology, 2004, 14, 187-194.	9.6	9
98	Interleukin 22 disrupts pancreatic function in newborn mice expressing IL-23. Nature Communications, 2019, 10, 4517.	12.8	8
99	Interleukin 1 beta and Matrix Metalloproteinase 3 Contribute to Development of Epidermal Growth Factor Receptor-Dependent Serrated Polyps in Mouse Cecum. Gastroenterology, 2019, 157, 1572-1583.e8.	1.3	7
100	Coordinated Regulation of Hematopoietic and Mesenchymal Stem Cells in a Bone Marrow Niche.. Blood, 2009, 114, 2-2.	1.4	6
101	Mesenchymal Stem Cells, Regulated by the Sympathetic Nervous System, Form the Hematopoietic Stem Cell Niche. Blood, 2008, 112, 4-4.	1.4	5
102	O-002- ϵ Genes in IBD-Associated Risk Loci Demonstrate Genotype-, Tissue-, and Inflammation-Specific Patterns of Expression in Terminal Ileum and Colon Mucosal Tissue. Inflammatory Bowel Diseases, 2016, 22, S1.	1.9	4
103	CCR8 is expressed by post-positive selection CD4-lineage thymocytes but is dispensable for central tolerance induction. PLoS ONE, 2018, 13, e0200765.	2.5	4
104	Spleen plays a major role in DLL4-driven acute T-cell lymphoblastic leukemia. Theranostics, 2021, 11, 1594-1608.	10.0	3
105	Conditional Transgenic Models to Study Chemokine Biology. , 2004, 239, 105-122.		1
106	CCR6 Deficiency Increases Infarct Size after Murine Acute Myocardial Infarction. Biomedicines, 2021, 9, 1532.	3.2	1
107	The Hematopoietic Stem Cell Niche.. Blood, 2009, 114, SCI-49-SCI-49.	1.4	0
108	CX3CR1 regulates intestinal macrophage homeostasis, bacterial translocation and colitogenic TH17 responses in mice. FASEB Journal, 2012, 26, 136.9.	0.5	0