Angel F Lopez

List of Publications by Year in Descending Order

130 papers	5,360 citations	43 h-index	69 g-index
135 ext. papers	6,096 ext. citations	7.6 avg, IF	4.96 L-index

#	Paper	IF	Citations
130	Blocking the human common beta subunit of the GM-CSF, IL-5 and IL-3 receptors markedly reduces hyperinflammation in ARDS models.. *Cell Death and Disease*, **2022**, 13, 137	9.8	0
129	Targeting human CALR-mutated MPN progenitors with a neoepitope-directed monoclonal antibody.. *EMBO Reports*, **2022**, e52904	6.5	2
128	TLR7 gain-of-function genetic variation causes human lupus.. *Nature*, **2022**,	50.4	3
127	Cytokine Receptors and their Ligands **2022**,		
126	Demethylating therapy increases anti-CD123 CAR T cell cytotoxicity against acute myeloid leukemia. *Nature Communications*, **2021**, 12, 6436	17.4	4
125	Messing with : A unique receptor with many goals. *Seminars in Immunology*, **2021**, 54, 101513	10.7	0
124	A Calreticulin Neoepitope-Directed Monoclonal Antibody Can Overcome JAK Inhibitor Resistance and Block TPO-Independent Megakaryocyte Differentation. *Blood*, **2021**, 138, 3597-3597	2.2	
123	Understanding mast cell heterogeneity at single cell resolution. *Trends in Immunology*, **2021**, 42, 523-535	14.4	6
122	Targeting the Human Receptor Inhibits Contact Dermatitis in a Transgenic Mouse Model. *Journal of Investigative Dermatology*, **2021**,	4.3	1
121	Drug repurposing: Misconceptions, challenges, and opportunities for academic researchers. *Science Translational Medicine*, **2021**, 13, eabd5524	17.5	12
120	Anti- mAb CSL311 inhibits human nasal polyp pathophysiology in a humanized mouse xenograft model. *Allergy: European Journal of Allergy and Clinical Immunology*, **2020**, 75, 475-478	9.3	5
119	14-3-3 mediates an alternative, non-thermogenic mechanism in male mice to reduce heat loss and improve cold tolerance. *Molecular Metabolism*, **2020**, 41, 101052	8.8	
118	Regulatory roles of IL-10-producing human follicular T cells. *Journal of Experimental Medicine*, **2019**, 216, 1843-1856	16.6	34
117	Genome-wide Analyses of Chromatin State in Human Mast Cells Reveal Molecular Drivers and Mediators of Allergic and Inflammatory Diseases. *Immunity*, **2019**, 51, 949-965.e6	32.3	19
116	Azacytidine Sensitizes AML Cells for Effective Elimination By CD123 CAR T-Cells. *Blood*, **2019**, 134, 3904-3904	21.0	3
115	Donor T-cell-derived GM-CSF drives alloantigen presentation by dendritic cells in the gastrointestinal tract. *Blood Advances*, **2019**, 3, 2859-2865	7.8	12
114	NLS-Cholic Acid Conjugation to IL-5R Specific Antibody Improves Cellular Accumulation and In Vivo Tumor-Targeting Properties in a Bladder Cancer Model. *Bioconjugate Chemistry*, **2018**, 29, 1352-1363	6.3	5

113	A dual role for the N-terminal domain of the IL-3 receptor in cell signalling. *Nature Communications*, **2018**, 9, 386	17.4	20
112	Role of the Common () Family of Cytokines in Health and Disease. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	13
111	EPO does not promote interaction between the erythropoietin and beta-common receptors. *Scientific Reports*, **2018**, 8, 12457	4.9	15
110	Role of salt bridges in the dimer interface of 14-3-3 in dimer dynamics, N-terminal helical order, and molecular chaperone activity. *Journal of Biological Chemistry*, **2018**, 293, 89-99	5.4	12
109	Accumulation of JAK activation loop phosphorylation is linked to type I JAK inhibitor withdrawal syndrome in myelofibrosis. *Science Advances*, **2018**, 4, eaat3834	14.3	23
108	The mechanism of GM-CSF inhibition by human GM-CSF auto-antibodies suggests novel therapeutic opportunities. *MAbs*, **2018**, 10, 1018-1029	6.6	1
107	Targeting IL-5R with antibody-conjugates reveals a strategy for imaging and therapy for invasive bladder cancer. *OncoImmunology*, **2017**, 6, e1331195	7.2	13
106	Proteome Analysis of Drosophila Mutants Identifies a Regulatory Role for 14-3-3 in Metabolic Pathways. *Journal of Proteome Research*, **2017**, 16, 1976-1987	5.6	2
105	Targeting sphingosine kinase 1 induces MCL1-dependent cell death in acute myeloid leukemia. *Blood*, **2017**, 129, 771-782	2.2	49
104	The transcriptional program, functional heterogeneity, and clinical targeting of mast cells. *Journal of Experimental Medicine*, **2017**, 214, 2491-2506	16.6	60
103	High CD123 levels enhance proliferation in response to IL-3, but reduce chemotaxis by downregulating CXCR4 expression. *Blood Advances*, **2017**, 1, 1067-1079	7.8	18
102	14-3-3 regulates the mitochondrial respiratory reserve linked to platelet phosphatidylserine exposure and procoagulant function. *Nature Communications*, **2016**, 7, 12862	17.4	34
101	The Nedd4-2/Ndfip1 axis is a negative regulator of IgE-mediated mast cell activation. *Nature Communications*, **2016**, 7, 13198	17.4	14
100	Jak2V617F driven myeloproliferative neoplasm occurs independently of interleukin-3 receptor beta common signaling. *Haematologica*, **2016**, 101, e77-80	6.6	5
99	A non-canonical role for desmoglein-2 in endothelial cells: implications for neoangiogenesis. *Angiogenesis*, **2016**, 19, 463-86	10.6	21
98	CSL311, a novel, potent, therapeutic monoclonal antibody for the treatment of diseases mediated by the common chain of the IL-3, GM-CSF and IL-5 receptors. *MAbs*, **2016**, 8, 436-53	6.6	22
97	Ywhaz/14-3-3 Deletion Improves Glucose Tolerance Through a GLP-1-Dependent Mechanism. *Endocrinology*, **2016**, 157, 2649-59	4.8	12
96	Conformational Changes in the GM-CSF Receptor Suggest a Molecular Mechanism for Affinity Conversion and Receptor Signaling. *Structure*, **2016**, 24, 1271-1281	5.2	33

95	GM-CSF signalling blockade and chemotherapeutic agents act in concert to inhibit the function of myeloid-derived suppressor cells. *Clinical and Translational Immunology*, **2016**, 5, e119	6.8	20
94	The β receptor family - Structural insights and their functional implications. *Cytokine*, **2015**, 74, 247-58	4	51
93	A Phase 1 study of the safety, pharmacokinetics and anti-leukemic activity of the anti-CD123 monoclonal antibody CSL360 in relapsed, refractory or high-risk acute myeloid leukemia. *Leukemia and Lymphoma*, **2015**, 56, 1406-15	1.9	90
92	14-3-3ζ coordinates adipogenesis of visceral fat. *Nature Communications*, **2015**, 6, 7671	17.4	36
91	Interleukin-3 greatly expands non-adherent endothelial forming cells with pro-angiogenic properties. *Stem Cell Research*, **2015**, 14, 380-95	1.6	12
90	Efficacy of an Fc-modified anti-CD123 antibody (CSL362) combined with chemotherapy in xenograft models of acute myelogenous leukemia in immunodeficient mice. *Haematologica*, **2015**, 100, 914-26	6.6	43
89	14-3-3ζ deficient mice in the BALB/c background display behavioural and anatomical defects associated with neurodevelopmental disorders. *Scientific Reports*, **2015**, 5, 12434	4.9	28
88	A Negative Regulatory Mechanism Involving 14-3-3ζ Limits Signaling Downstream of ROCK to Regulate Tissue Stiffness in Epidermal Homeostasis. *Developmental Cell*, **2015**, 35, 759-74	10.2	29
87	Destabilisation of dimeric 14-3-3 proteins as a novel approach to anti-cancer therapeutics. *Oncotarget*, **2015**, 6, 14522-36	3.3	21
86	Interleukin-3-mediated regulation of β-catenin in myeloid transformation and acute myeloid leukemia. *Journal of Leukocyte Biology*, **2014**, 96, 83-91	6.5	11
85	14-3-3ε and ζ regulate neurogenesis and differentiation of neuronal progenitor cells in the developing brain. *Journal of Neuroscience*, **2014**, 34, 12168-81	6.6	74
84	Dual mechanism of interleukin-3 receptor blockade by an anti-cancer antibody. *Cell Reports*, **2014**, 8, 410-9	10.6	35
83	Mechanisms of vitamin D metabolite repression of IgE-dependent mast cell activation. *Journal of Allergy and Clinical Immunology*, **2014**, 133, 1356-64, 1364.e1-14	11.5	79
82	Monoclonal antibody targeting of IL-3 receptor α with CSL362 effectively depletes CML progenitor and stem cells. *Blood*, **2014**, 123, 1218-28	2.2	74
81	Unexpected mechanisms of action for a cytokine receptor-blocking antibody. *Molecular and Cellular Oncology*, **2014**, 1, e969129	1.2	1
80	Crystallization and preliminary X-ray diffraction analysis of the interleukin-3 alpha receptor bound to the Fab fragment of antibody CSL362. *Acta Crystallographica Section F, Structural Biology Communications*, **2014**, 70, 358-61	1.1	7
79	Targeting acute myeloid leukemia by dual inhibition of PI3K signaling and Cdk9-mediated Mcl-1 transcription. *Blood*, **2013**, 122, 738-48	2.2	47
78	Targeting of acute myeloid leukaemia by cytokine-induced killer cells redirected with a novel CD123-specific chimeric antigen receptor. *British Journal of Haematology*, **2013**, 161, 389-401	4.5	155

77	Signalling by the □ family of cytokines. *Cytokine and Growth Factor Reviews*, **2013**, 24, 189-201	17.9	62
76	Epigenetic modulation of the miR-200 family is associated with transition to a breast cancer stem-cell-like state. *Journal of Cell Science*, **2013**, 126, 2256-66	5.3	150
75	IL-4 Derived from Non-T Cells Induces Basophil- and IL-3-independent Th2 Immune Responses. *Immune Network*, **2013**, 13, 249-56	6.1	9
74	Protein kinase activity of phosphoinositide 3-kinase regulates cytokine-dependent cell survival. *PLoS Biology*, **2013**, 11, e1001515	9.7	19
73	High yield production of a soluble human interleukin-3 variant from E. coli with wild-type bioactivity and improved radiolabeling properties. *PLoS ONE*, **2013**, 8, e74376	3.7	11
72	Cytokine receptor activation at the cell surface. *Current Opinion in Structural Biology*, **2012**, 22, 350-9	8.1	25
71	The GM-CSF receptor family: mechanism of activation and implications for disease. *Growth Factors*, **2012**, 30, 63-75	1.6	50
70	The GM-CSF/IL-3/IL-5 cytokine receptor family: from ligand recognition to initiation of signaling. *Immunological Reviews*, **2012**, 250, 277-302	11.3	157
69	Characterization of a distinct population of circulating human non-adherent endothelial forming cells and their recruitment via intercellular adhesion molecule-3. *PLoS ONE*, **2012**, 7, e46996	3.7	19
68	Immune insufficiency during GVHD is due to defective antigen presentation within dendritic cell subsets. *Blood*, **2012**, 119, 5918-30	2.2	30
67	CSL362: A Monoclonal Antibody to Human Interleukin-3 Receptor (CD123), Optimized for NK Cell-Mediated Cytotoxicity of AML Stem Cells. *Blood*, **2012**, 120, 3598-3598	2.2	7
66	Vitamin D(3) signalling to mast cells: A new regulatory axis. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 41-6	5.6	18
65	Drosophila 14-3-3□has a crucial role in anti-microbial peptide secretion and innate immunity. *Journal of Cell Science*, **2011**, 124, 2165-74	5.3	43
64	Antibody-Targeting of IL-3 Receptor-□ncreases the Susceptibility of CD34+ CML Progenitors to Dasatinib-Induced Cell Death,. *Blood*, **2011**, 118, 3745-3745	2.2	
63	Evidence that vitamin D(3) promotes mast cell-dependent reduction of chronic UVB-induced skin pathology in mice. *Journal of Experimental Medicine*, **2010**, 207, 455-63	16.6	87
62	Cutting edge: basophils are transiently recruited into the draining lymph nodes during helminth infection via IL-3, but infection-induced Th2 immunity can develop without basophil lymph node recruitment or IL-3. *Journal of Immunology*, **2010**, 184, 1143-7	5.3	119
61	Alternative modes of GM-CSF receptor activation revealed using activated mutants of the common beta-subunit. *Blood*, **2010**, 115, 3346-53	2.2	56
60	Sphingosine and FTY720 directly bind pro-survival 14-3-3 proteins to regulate their function. *Cellular Signalling*, **2010**, 22, 1291-9	4.9	64

59	Molecular basis of cytokine receptor activation. *IUBMB Life*, **2010**, 62, 509-18	4.7	54
58	14-3-3:Shc scaffolds integrate phosphoserine and phosphotyrosine signaling to regulate phosphatidylinositol 3-kinase activation and cell survival. *Journal of Biological Chemistry*, **2009**, 284, 12080-90	5.4	27
57	Monoclonal antibody-mediated targeting of CD123, IL-3 receptor alpha chain, eliminates human acute myeloid leukemic stem cells. *Cell Stem Cell*, **2009**, 5, 31-42	18	413
56	Sphingosine kinase regulates the rate of endothelial progenitor cell differentiation. *Blood*, **2009**, 113, 2108-17	2.2	35
55	The granulocyte-macrophage colony-stimulating factor receptor: linking its structure to cell signaling and its role in disease. *Blood*, **2009**, 114, 1289-98	2.2	229
54	Expression profiling of a hemopoietic cell survival transcriptome implicates osteopontin as a functional prognostic factor in AML. *Blood*, **2009**, 114, 4859-70	2.2	51
53	The structure of the GM-CSF receptor complex reveals a distinct mode of cytokine receptor activation. *Cell*, **2008**, 134, 496-507	56.2	225
52	The IL-3/IL-5/GM-CSF common receptor plays a pivotal role in the regulation of Th2 immunity and allergic airway inflammation. *Journal of Immunology*, **2008**, 180, 1199-206	5.3	95
51	A functional 14-3-3zeta-independent association of PI3-kinase with glycoprotein Ib alpha, the major ligand-binding subunit of the platelet glycoprotein Ib-IX-V complex. *Blood*, **2008**, 111, 4580-7	2.2	38
50	Crystallization and preliminary X-ray diffraction analysis of the ternary human GM-CSF receptor complex. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 711-4		9
49	Lipid and Protein Substrates of PI3K in Cytokine Receptor Survival Signalling: Deregulation in Leukemia. *Blood*, **2008**, 112, 3864-3864	2.2	
48	The Shc-binding site of the betac subunit of the GM-CSF/IL-3/IL-5 receptors is a negative regulator of hematopoiesis. *Blood*, **2007**, 110, 3582-90	2.2	18
47	Growth factor pleiotropy is controlled by a receptor Tyr/Ser motif that acts as a binary switch. *EMBO Journal*, **2006**, 25, 479-89	13	62
46	Primary Acute Myeloid Leukemic Blasts Display Constitutive Serine 585 Phosphorylation within the 14-3-3 Binding Motif of the GM-CSF/IL-3 Receptor Required for Survival Signalling.. *Blood*, **2005**, 106, 70-70	2.2	5
45	The phosphoserine-585-dependent pathway of the GM-CSF/IL-3/IL-5 receptors mediates hematopoietic cell survival through activation of NF-kappaB and induction of bcl-2. *Blood*, **2004**, 103, 820-7	2.2	65
44	Potential for Hematopoietic Growth Factor Antagonists in Oncology **2004**, 447-465		
43	Threonine 391 phosphorylation of the human prolactin receptor mediates a novel interaction with 14-3-3 proteins. *Journal of Biological Chemistry*, **2003**, 278, 32929-35	5.4	23
42	Molecular assembly of the ternary granulocyte-macrophage colony-stimulating factor receptor complex. *Blood*, **2003**, 101, 1308-15	2.2	32

41	The dimeric versus monomeric status of 14-3-3zeta is controlled by phosphorylation of Ser58 at the dimer interface. *Journal of Biological Chemistry*, **2003**, 278, 36323-7	5.4	136
40	Chronic myelomonocytic leukemia requires granulocyte-macrophage colony-stimulating factor for growth in vitro and in vivo. *Experimental Hematology*, **2002**, 30, 1124-31	3.1	40
39	Structural and functional hot spots in cytokine receptors. *International Journal of Hematology*, **2001** , 73, 299-307	2.3	7
38	GM-CSF binding to its receptor induces oligomerisation of the common beta-subunit. *Cytokine*, **2001**, 13, 240-3	4	5
37	Structure of the activation domain of the GM-CSF/IL-3/IL-5 receptor common Ɛchain bound to an antagonist. *Blood*, **2000**, 95, 2491-2498	2.2	47
36	The role of disulfide-linked dimerization in interleukin-3 receptor signaling and biological activity. *Journal of Biological Chemistry*, **2000**, 275, 5124-30	5.4	18
35	The solution structure of the cytokine-binding domain of the common beta-chain of the receptors for granulocyte-macrophage colony-stimulating factor, interleukin-3 and interleukin-5. *Journal of Molecular Biology*, **2000**, 297, 989-1001	6.5	23
34	Site-Specific Serine Phosphorylation of the IL-3 Receptor Is Required for Hemopoietic Cell Survival. *Molecular Cell*, **2000**, 6, 99-108	17.6	63
33	Structure of the activation domain of the GM-CSF/IL-3/IL-5 receptor common Ɛchain bound to an antagonist. *Blood*, **2000**, 95, 2491-2498	2.2	3
32	The functional basis of granulocyte-macrophage colony stimulating factor, interleukin-3 and interleukin-5 receptor activation, basic and clinical implications. *International Journal of Biochemistry and Cell Biology*, **1999**, 31, 1017-25	5.6	15
31	Mechanism of activation of the GM-CSF, IL-3, and IL-5 family of receptors. *Stem Cells*, **1998**, 16, 301-13	5.8	142
30	IL-3, IL-5, granulocyte-macrophage colony-stimulating factor receptor alpha-subunit, and common beta-subunit expression by peripheral leukocytes and blood dendritic cells. *Journal of Allergy and Clinical Immunology*, **1998**, 101, 677-82	11.5	49
29	Identification of a Cys motif in the common beta chain of the interleukin 3, granulocyte-macrophage colony-stimulating factor, and interleukin 5 receptors essential for disulfide-linked receptor heterodimerization and activation of all three receptors. *Journal of Biological Chemistry*, **1998**, 273, 1192-9	5.4	52
28	The apoptosis-inducing granulocyte-macrophage colony-stimulating factor (GM-CSF) analog E21R functions through specific regions of the heterodimeric GM-CSF receptor and requires interleukin-1beta-converting enzyme-like proteases. *Journal of Biological Chemistry*, **1997**, 272, 9877-83	5.4	12
27	The Human Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) Receptor Exists as a Preformed Receptor Complex That Can Be Activated by GM-CSF, Interleukin-3, or Interleukin-5. *Blood*, **1997**, 90, 3005-3017	2.2	55
26	The Structural and Functional Basis of Cytokine Receptor Activation: Lessons From the Common □ Subunit of the Granulocyte-Macrophage Colony-Stimulating Factor, Interleukin-3 (IL-3), and IL-5 Receptors. *Blood*, **1997**, 89, 1471-1482	2.2	155
25	Receptors of the cytokine superfamily: mechanisms of activation and involvement in disease. *Best Practice and Research: Clinical Haematology*, **1997**, 10, 507-24		4
24	The Structural and Functional Basis of Cytokine Receptor Activation: Lessons From the Common □ Subunit of the Granulocyte-Macrophage Colony-Stimulating Factor, Interleukin-3 (IL-3), and IL-5 Receptors. *Blood*, **1997**, 89, 1471-1482	2.2	5

23	Inhibition of Granulocyte-Macrophage Colony-Stimulating Factor Prevents Dissemination and Induces Remission of Juvenile Myelomonocytic Leukemia in Engrafted Immunodeficient Mice. *Blood*, **1997**, 90, 4910-4917	2.2	41
22	A single tyrosine residue in the membrane-proximal domain of the granulocyte-macrophage colony-stimulating factor, interleukin (IL)-3, and IL-5 receptor common beta-chain is necessary and sufficient for high affinity binding and signaling by all three ligands. *Journal of Biological Chemistry*, **1996**, 271, 25999-6006	5.4	84
21	IL-3 receptor expression, regulation and function in cells of the vasculature. *Immunology and Cell Biology*, **1996**, 74, 1-7	5	46
20	Interacting residues in the extracellular region of the common beta subunit of the human granulocyte-macrophage colony-stimulating factor, interleukin (IL)-3, and IL-5 receptors involved in constitutive activation. *Journal of Biological Chemistry*, **1996**, 271, 29707-14	5.4	39
19	A discontinuous eight-amino acid epitope in human interleukin-3 binds the alpha-chain of its receptor. *Journal of Biological Chemistry*, **1996**, 271, 31922-8	5.4	17
18	Interaction of GM-CSF and IL-3 with the common beta-chain of their receptors. *Journal of Leukocyte Biology*, **1995**, 57, 739-46	6.5	26
17	A model for the interaction of the GM-CSF, IL-3 and IL-5 receptors with their ligands. *Growth Factors* , **1993**, 8, 87-97	1.6	86
16	Differential binding of IL-3 and GM-CSF to human monocytes. *Growth Factors*, **1992**, 6, 15-29	1.6	12
15	GM-CSF, IL-3 and IL-5: cross-competition on human haemopoietic cells. *Trends in Immunology*, **1992**, 13, 495-500		124
14	Examination of the role of the proteolytically-activated form of protein kinase C in the differentiation of human haemopoietic cells. *Differentiation*, **1992**, 50, 189-202	3.5	2
13	Role of colony-stimulating factors in leucocyte responses to inflammation and infection. *Current Opinion in Immunology*, **1991**, 3, 97-104	7.8	12
12	Human interleukin-3 inhibits the binding of granulocyte-macrophage colony-stimulating factor and interleukin-5 to basophils and strongly enhances their functional activity. *Journal of Cellular Physiology*, **1990**, 145, 69-77	7	102
11	Human interleukin 4 regulates the phenotype of lymphocytes generated during mixed lymphocyte culture and inhibits the IL-2-induced development of LAK function in normal and leukaemic cells. *Leukemia Research*, **1989**, 13, 297-305	2.7	2
10	Interleukin 4 is at 5q31 and interleukin 6 is at 7p15. *Human Genetics*, **1988**, 79, 335-7	6.3	62
9	Nedocromil sodium and cromolyn (sodium cromoglycate) selectively inhibit antibody-dependent granulocyte-mediated cytotoxicity. *International Archives of Allergy and Immunology*, **1988**, 87, 151-8	3.7	23
8	The IIb-IIIa glycoprotein complex that mediates platelet aggregation is directly implicated in leukocyte adhesion. *Cell*, **1986**, 45, 269-80	56.2	71
7	Differentiation antigens on mouse eosinophils and neutrophils identified by monoclonal antibodies. *British Journal of Haematology*, **1984**, 57, 489-94	4.5	83
6	Epitope diversity of monoclonal antibodies revealed by cross-species reactivity. *Molecular Immunology*, **1984**, 21, 371-4	4.3	11

5	Antibody-dependent, cell-mediated cytotoxicity of nucleated mammalian cells by rat eosinophils and neutrophils. *International Archives of Allergy and Immunology*, **1982**, 67, 200-5	3.7	11
4	The lysis of Trypanosoma cruzi epimastigotes by eosinophils and neutrophils. *International Journal for Parasitology*, **1978**, 8, 485-9	4.3	14
3	Antibody dependent cell-mediated cytotoxicity of Trypanosoma cruzi: the release of tritium-labelled RNA, DNA and protein. *Parasitology*, **1978**, 76, 299-307	2.7	21
2	Eosinophils and not lymphoid K cells kill Trypanosoma cruzi epimastigotes. *Nature*, **1977**, 268, 340-1	50.4	44
1	Haematopoietic Growth Factors1-13		