Laure Dumoutier

List of Publications by Citations

73 papers	6,502 citations	35 h-index	80 g-index
85 ext. papers	7,194 ext. citations	6.3 avg, IF	5.18 L-index

#	Paper	IF	Citations
73	The aryl hydrocarbon receptor links TH17-cell-mediated autoimmunity to environmental toxins. *Nature*, **2008**, 453, 106-9	50.4	1247
72	Cloning and characterization of IL-10-related T cell-derived inducible factor (IL-TIF), a novel cytokine structurally related to IL-10 and inducible by IL-9. *Journal of Immunology*, **2000**, 164, 1814-9	5.3	405
71	Interleukin-22 (IL-22) activates the JAK/STAT, ERK, JNK, and p38 MAP kinase pathways in a rat hepatoma cell line. Pathways that are shared with and distinct from IL-10. *Journal of Biological Chemistry*, **2002**, 277, 33676-82	5.4	347
70	Cutting edge: STAT activation by IL-19, IL-20 and mda-7 through IL-20 receptor complexes of two types. *Journal of Immunology*, **2001**, 167, 3545-9	5.3	332
69	IL-22 is expressed by Th17 cells in an IL-23-dependent fashion, but not required for the development of autoimmune encephalomyelitis. *Journal of Immunology*, **2007**, 179, 8098-104	5.3	270
68	Interferon-lambda contributes to innate immunity of mice against influenza A virus but not against hepatotropic viruses. *PLoS Pathogens*, **2008**, 4, e1000151	7.6	249
67	Role of the interleukin (IL)-28 receptor tyrosine residues for antiviral and antiproliferative activity of IL-29/interferon-lambda 1: similarities with type I interferon signaling. *Journal of Biological Chemistry*, **2004**, 279, 32269-74	5.4	244
66	IL-22 is required for imiquimod-induced psoriasiform skin inflammation in mice. *Journal of Immunology*, **2012**, 188, 462-9	5.3	226
65	Interferon-□and interleukin 22 act synergistically for the induction of interferon-stimulated genes and control of rotavirus infection. *Nature Immunology*, **2015**, 16, 698-707	19.1	200
64	Cloning and characterization of IL-22 binding protein, a natural antagonist of IL-10-related T cell-derived inducible factor/IL-22. *Journal of Immunology*, **2001**, 166, 7090-5	5.3	197
63	Proinflammatory role of the Th17 cytokine interleukin-22 in collagen-induced arthritis in C57BL/6 mice. *Arthritis and Rheumatism*, **2009**, 60, 390-5		193
62	Dual Role of IL-22 in allergic airway inflammation and its cross-talk with IL-17A. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 183, 1153-63	10.2	167
61	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. *Nature Communications*, **2014**, 5, 5648	17.4	160
60	Interleukin-22 is produced by invariant natural killer T lymphocytes during influenza A virus infection: potential role in protection against lung epithelial damages. *Journal of Biological Chemistry*, **2012**, 287, 8816-29	5.4	134
59	Cutting edge: IL-26 signals through a novel receptor complex composed of IL-20 receptor 1 and IL-10 receptor 2. *Journal of Immunology*, **2004**, 172, 2006-10	5.3	134
58	Melanoma differentiation-associated gene 7/interleukin (IL)-24 is a novel ligand that regulates angiogenesis via the IL-22 receptor. *Cancer Research*, **2003**, 63, 5105-13	10.1	133
57	Cloning of a new type II cytokine receptor activating signal transducer and activator of transcription (STAT)1, STAT2 and STAT3. *Biochemical Journal*, **2003**, 370, 391-6	3.8	117

56	TLR5 signaling stimulates the innate production of IL-17 and IL-22 by CD3(neg)CD127+ immune cells in spleen and mucosa. *Journal of Immunology*, **2010**, 185, 1177-85	5.3	113
55	Interleukin-22 reduces lung inflammation during influenza A virus infection and protects against secondary bacterial infection. *Journal of Virology*, **2013**, 87, 6911-24	6.6	110
54	IL-17A-producing gammadelta T and Th17 lymphocytes mediate lung inflammation but not fibrosis in experimental silicosis. *Journal of Immunology*, **2010**, 184, 6367-77	5.3	110
53	Crystal structure of recombinant human interleukin-22. *Structure*, **2002**, 10, 1051-62	5.2	107
52	The T-cell lymphokine interleukin-26 targets epithelial cells through the interleukin-20 receptor 1 and interleukin-10 receptor 2 chains. *Journal of Biological Chemistry*, **2004**, 279, 33343-51	5.4	106
51	Alpha and lambda interferon together mediate suppression of CD4 T cells induced by respiratory syncytial virus. *Journal of Virology*, **2006**, 80, 5032-40	6.6	97
50	Bcl-3 expression promotes cell survival following interleukin-4 deprivation and is controlled by AP1 and AP1-like transcription factors. *Molecular and Cellular Biology*, **2000**, 20, 3407-16	4.8	93
49	The natural cytotoxicity receptor NKp46 is dispensable for IL-22-mediated innate intestinal immune defense against Citrobacter rodentium. *Journal of Immunology*, **2009**, 183, 6579-87	5.3	89
48	Monoclonal antibodies against GARP/TGF-1 complexes inhibit the immunosuppressive activity of human regulatory T cells in vivo. *Science Translational Medicine*, **2015**, 7, 284ra56	17.5	88
47	Crystal structure of the IL-22/IL-22R1 complex and its implications for the IL-22 signaling mechanism. *FEBS Letters*, **2008**, 582, 2985-92	3.8	69
46	Crucial role of gamma interferon-producing CD4+ Th1 cells but dispensable function of CD8+ T cell, B cell, Th2, and Th17 responses in the control of Brucella melitensis infection in mice. *Infection and Immunity*, **2012**, 80, 4271-80	3.7	64
45	New activation modus of STAT3: a tyrosine-less region of the interleukin-22 receptor recruits STAT3 by interacting with its coiled-coil domain. *Journal of Biological Chemistry*, **2009**, 284, 26377-84	5.4	53
44	Microenvironmental Th9 and Th17 lymphocytes induce metastatic spreading in lung cancer. *Journal of Clinical Investigation*, **2020**, 130, 3560-3575	15.9	46
43	Viral and cellular interleukin-10 (IL-10)-related cytokines: from structures to functions. *European Cytokine Network*, **2002**, 13, 5-15	3.3	42
42	Interleukin-22 forms dimers that are recognized by two interleukin-22R1 receptor chains. *Biophysical Journal*, **2008**, 94, 1754-65	2.9	40
41	Limited Presence of IL-22 Binding Protein, a Natural IL-22 Inhibitor, Strengthens Psoriatic Skin Inflammation. *Journal of Immunology*, **2017**, 198, 3671-3678	5.3	39
40	Crystal structure of a soluble decoy receptor IL-22BP bound to interleukin-22. *FEBS Letters*, **2009**, 583, 1072-7	3.8	38
39	Structure and function of interleukin-22 and other members of the interleukin-10 family. *Cellular and Molecular Life Sciences*, **2010**, 67, 2909-35	10.3	35

38	Proapoptotic activity of ITM2B(s), a BH3-only protein induced upon IL-2-deprivation which interacts with Bcl-2. *Oncogene*, **2002**, 21, 3181-9	9.2	35
37	Improvement of psoriasis during glucagon-like peptide-1 analogue therapy in type 2 diabetes is associated with decreasing dermal T-cell number: a prospective case-series study. *British Journal of Dermatology*, **2014**, 171, 155-61	4	29
36	MAP kinase activation by interleukin-9 in lymphoid and mast cell lines. *Oncogene*, **2003**, 22, 1763-70	9.2	28
35	IL-22 is produced by T-independent CD25+ CCR6+ innate murine spleen cells upon inflammatory stimuli and contributes to LPS-induced lethality. *European Journal of Immunology*, **2011**, 41, 1075-85	6.1	27
34	Recombinant interleukin-24 lacks apoptosis-inducing properties in melanoma cells. *PLoS ONE*, **2007**, 2, e1300	3.7	27
33	Interleukin-22 level is negatively correlated with neutrophil recruitment in the lungs in a Pseudomonas aeruginosa pneumonia model. *Scientific Reports*, **2017**, 7, 11010	4.9	26
32	AhR modulates the IL-22-producing cell proliferation/recruitment in imiquimod-induced psoriasis mouse model. *European Journal of Immunology*, **2016**, 46, 1449-59	6.1	24
31	A new member of the interleukin 10-related cytokine family encoded by a poxvirus. *Journal of General Virology*, **2004**, 85, 1401-1412	4.9	23
30	Ozone-Induced Aryl Hydrocarbon Receptor Activation Controls Lung Inflammation via Interleukin-22 Modulation. *Frontiers in Immunology*, **2020**, 11, 144	8.4	18
29	Interleukin-22-deficiency and microbiota contribute to the exacerbation of Toxoplasma gondii-induced intestinal inflammation. *Mucosal Immunology*, **2018**, 11, 1181-1190	9.2	17
28	Selective inhibition of STAT3 signaling using monobodies targeting the coiled-coil and N-terminal domains. *Nature Communications*, **2020**, 11, 4115	17.4	16
27	Characterization of the T cell response in allergic contact dermatitis caused by corticosteroids. *Contact Dermatitis*, **2013**, 68, 357-68	2.7	15
26	Dual TCR expression biases lung inflammation in DO11.10 transgenic mice and promotes neutrophilia via microbiota-induced Th17 differentiation. *Journal of Immunology*, **2011**, 187, 3530-7	5.3	15
25	IL-24 contributes to skin inflammation in Para-Phenylenediamine-induced contact hypersensitivity. *Scientific Reports*, **2019**, 9, 1852	4.9	14
24	Ccr6 Is Dispensable for the Development of Skin Lesions Induced by Imiquimod despite its Effect on Epidermal Homing of IL-22-Producing Cells. *Journal of Investigative Dermatology*, **2017**, 137, 1094-1103	4.3	13
23	Induction of autoantibodies against mouse soluble proteins after immunization with living cells presenting the autoantigen at the cell surface in fusion with a human type 2 transmembrane protein. *Journal of Immunological Methods*, **2011**, 367, 56-62	2.5	10
22	Interleukin-22 and its crystal structure. *Vitamins and Hormones*, **2006**, 74, 77-103	2.5	9
21	Increased expression of interleukin-9 in patients with allergic contact dermatitis caused by p-phenylenediamine. *Contact Dermatitis*, **2018**, 79, 346-355	2.7	8

20	Increased expression of IL-24 in chronic spontaneous urticaria. *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 1811-1813	9.3	7
19	Divergent roles of IFNs in the sensitization to endotoxin shock by lactate dehydrogenase-elevating virus. *International Immunology*, **2007**, 19, 1303-11	4.9	7
18	The TLR7 ligand R848 prevents mouse graft--host disease and cooperates with anti-interleukin-27 antibody for maximal protection and regulatory T-cell upregulation. *Haematologica*, **2019**, 104, 392-402	6.6	7
17	Flagellin-Mediated Protection against Intestinal Yersinia pseudotuberculosis Infection Does Not Require Interleukin-22. *Infection and Immunity*, **2017**, 85,	3.7	6
16	Endogenous IL-22 is dispensable for experimental glomerulonephritis. *American Journal of Physiology - Renal Physiology*, **2019**, 316, F712-F722	4.3	5
15	Omalizumab in chronic spontaneous urticaria: A real-life experience of dose and intervals adjustments in Belgium. *Annals of Allergy, Asthma and Immunology*, **2018**, 121, 620-622	3.2	5
14	Bcl-3 Expression Promotes Cell Survival following Interleukin-4 Deprivation and Is Controlled by AP1 and AP1-Like Transcription Factors. *Molecular and Cellular Biology*, **2000**, 20, 3407-3416	4.8	4
13	A Targetable, Noncanonical Signal Transducer and Activator of Transcription 3 Activation Induced by the Y-Less Region of IL-22 Receptor Orchestrates Imiquimod-Induced Psoriasis-Like Dermatitis in Mice. *Journal of Investigative Dermatology*, **2021**, 141, 2668-2678.e6	4.3	4
12	IL-6 and IL-1□expression is increased in autologous serum skin test of patients with chronic spontaneous urticaria. *Allergy: European Journal of Allergy and Clinical Immunology*, **2019**, 74, 2522-2524	9.3	2
11	IL-9 exerts biological function on antigen-experienced murine T□cells and exacerbates colitis induced by adoptive transfer. *European Journal of Immunology*, **2020**, 50, 1034-1043	6.1	2
10	JAK/STAT: Why choose a classical or an alternative pathway when you can have both?. *Journal of Cellular and Molecular Medicine*, **2022**,	5.6	2
9	Crystallization and preliminary X-ray diffraction analysis of human IL-22 bound to its soluble decoy receptor IL-22BP. *Acta Crystallographica Section F: Structural Biology Communications*, **2009**, 65, 102-4		1
8	Inflammation-Induced Coagulopathy Substantially Differs Between COVID-19 and Septic Shock: A Prospective Observational Study.. *Frontiers in Medicine*, **2021**, 8, 780750	4.9	1
7	Rotavirus susceptibility of antibiotic-treated mice ascribed to diminished expression of interleukin-22. *PLoS ONE*, **2021**, 16, e0247738	3.7	1
6	Blocking GARP-mediated activation of TGF-□1 did not alter innate or adaptive immune responses to bacterial infection or protein immunization in mice.. *Cancer Immunology, Immunotherapy*, **2022**, 1	7.4	0
5	Development of SARS-CoV2 humoral response including neutralizing antibodies is not sufficient to protect patients against fatal infection.. *Scientific Reports*, **2022**, 12, 2077	4.9	0
4	IL-22 and Its Receptors, New Players in the Inflammatory Network. *Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry*, **2006**, 5, 251-257	2	
3	Contributions of IL-22 to Th17 responses: Repairing and protecting peripheral tissues **2009**, 49-60		

2 Contributions of IL-22 to TH17 Responses: Repairing and Protecting Peripheral Tissues **2013**, 55-69

1 Implication of T Helper Cytokines in Contact Dermatitis and Atopic Dermatitis. *Current Treatment Options in Allergy*, **2020**, 7, 258-273 1