Stefan Rose-John

List of Publications by Citations

539 papers	40,918 citations	100 h-index	182 g-index
616 ext. papers	46,444 ext. citations	7.4 avg, IF	7.61 L-index

#	Paper	IF	Citations
539	The pro- and anti-inflammatory properties of the cytokine interleukin-6. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 878-88	4.9	1904
538	IL-6 and Stat3 are required for survival of intestinal epithelial cells and development of colitis-associated cancer. *Cancer Cell*, **2009**, 15, 103-13	24.3	1562
537	Blockade of interleukin 6 trans signaling suppresses T-cell resistance against apoptosis in chronic intestinal inflammation: evidence in crohn disease and experimental colitis in vivo. *Nature Medicine*, **2000**, 6, 583-8	50.5	1055
536	Stat3/Socs3 activation by IL-6 transsignaling promotes progression of pancreatic intraepithelial neoplasia and development of pancreatic cancer. *Cancer Cell*, **2011**, 19, 456-69	24.3	637
535	Il-6 and its soluble receptor orchestrate a temporal switch in the pattern of leukocyte recruitment seen during acute inflammation. *Immunity*, **2001**, 14, 705-14	32.3	631
534	TGF-beta suppresses tumor progression in colon cancer by inhibition of IL-6 trans-signaling. *Immunity*, **2004**, 21, 491-501	32.3	608
533	Identification of Predictive Biomarkers for Cytokine Release Syndrome after Chimeric Antigen Receptor T-cell Therapy for Acute Lymphoblastic Leukemia. *Cancer Discovery*, **2016**, 6, 664-79	24.4	603
532	IL-6 trans-signaling via the soluble IL-6 receptor: importance for the pro-inflammatory activities of IL-6. *International Journal of Biological Sciences*, **2012**, 8, 1237-47	11.2	572
531	The disintegrin-like metalloproteinase ADAM10 is involved in constitutive cleavage of CX3CL1 (fractalkine) and regulates CX3CL1-mediated cell-cell adhesion. *Blood*, **2003**, 102, 1186-95	2.2	550
530	Therapeutic strategies for the clinical blockade of IL-6/gp130 signaling. *Journal of Clinical Investigation*, **2011**, 121, 3375-83	15.9	504
529	Interleukin-6 biology is coordinated by membrane-bound and soluble receptors: role in inflammation and cancer. *Journal of Leukocyte Biology*, **2006**, 80, 227-36	6.5	482
528	Soluble gp130 is the natural inhibitor of soluble interleukin-6 receptor transsignaling responses. *FEBS Journal*, **2001**, 268, 160-7		447
527	I. A bioactive designer cytokine for human hematopoietic progenitor cell expansion. *Nature Biotechnology*, **1997**, 15, 142-5	44.5	430
526	Transcriptional profiling identifies Id2 function in dendritic cell development. *Nature Immunology*, **2003**, 4, 380-6	19.1	416
525	The soluble interleukin-6 receptor is generated by shedding. *European Journal of Immunology*, **1993**, 23, 473-80	6.1	410
524	A switch from white to brown fat increases energy expenditure in cancer-associated cachexia. *Cell Metabolism*, **2014**, 20, 433-47	24.6	390
523	ADAM17: a molecular switch to control inflammation and tissue regeneration. *Trends in Immunology*, **2011**, 32, 380-7	14.4	379

522	IL-6 pathway in the liver: From physiopathology to therapy. *Journal of Hepatology*, **2016**, 64, 1403-15	13.4	377
521	Interleukin-6 and its receptors: a highly regulated and dynamic system. *Cytokine*, **2014**, 70, 11-20	4	341
520	Diverse cell surface protein ectodomains are shed by a system sensitive to metalloprotease inhibitors. *Journal of Biological Chemistry*, **1996**, 271, 11376-82	5.4	340
519	The transmembrane CXC-chemokine ligand 16 is induced by IFN-gamma and TNF-alpha and shed by the activity of the disintegrin-like metalloproteinase ADAM10. *Journal of Immunology*, **2004**, 172, 6362-72	5.3	319
518	Cellular cholesterol depletion triggers shedding of the human interleukin-6 receptor by ADAM10 and ADAM17 (TACE). *Journal of Biological Chemistry*, **2003**, 278, 38829-39	5.4	291
517	Interleukin-6: Biology, signaling and strategies of blockade. *Cytokine and Growth Factor Reviews*, **2015**, 26, 475-87	17.9	290
516	The IL-6/sIL-6R complex as a novel target for therapeutic approaches. *Expert Opinion on Therapeutic Targets*, **2007**, 11, 613-24	6.4	278
515	The IL-6R α chain controls lung CD4+CD25+ Treg development and function during allergic airway inflammation in vivo. *Journal of Clinical Investigation*, **2005**, 115, 313-325	15.9	278
514	Interleukin-6: designing specific therapeutics for a complex cytokine. *Nature Reviews Drug Discovery* , **2018**, 17, 395-412	64.1	272
513	Sympathetic neurons can produce and respond to interleukin 6. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 3251-6	11.5	267
512	Not interferon, but interleukin-6 controls early gene expression in hepatitis B virus infection. *Hepatology*, **2009**, 50, 1773-82	11.2	266
511	G protein-coupled receptor 43 is essential for neutrophil recruitment during intestinal inflammation. *Journal of Immunology*, **2009**, 183, 7514-22	5.3	258
510	Apoptosis is a natural stimulus of IL6R shedding and contributes to the proinflammatory trans-signaling function of neutrophils. *Blood*, **2007**, 110, 1748-55	2.2	256
509	Interleukin-6 Family Cytokines. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	252
508	Plasticity and cross-talk of interleukin 6-type cytokines. *Cytokine and Growth Factor Reviews*, **2012**, 23, 85-97	17.9	252
507	Maintenance of pluripotency in human embryonic stem cells is STAT3 independent. *Stem Cells*, **2004**, 22, 522-30	5.8	247
506	Critical role of the disintegrin metalloprotease ADAM17 for intestinal inflammation and regeneration in mice. *Journal of Experimental Medicine*, **2010**, 207, 1617-24	16.6	245
505	IL-6/IL-6R axis plays a critical role in acute kidney injury. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1106-15	12.7	237

504	The IL-6/gp130/STAT3 signaling axis: recent advances towards specific inhibition. *Current Opinion in Immunology*, **2015**, 34, 75-82	7.8	236
503	Interleukin-6 trans-signalling in chronic inflammation and cancer. *Scandinavian Journal of Immunology*, **2006**, 63, 321-9	3.4	231
502	The function of the soluble interleukin 6 (IL-6) receptor in vivo: sensitization of human soluble IL-6 receptor transgenic mice towards IL-6 and prolongation of the plasma half-life of IL-6. *Journal of Experimental Medicine*, **1996**, 183, 1399-406	16.6	230
501	CNTF reverses obesity-induced insulin resistance by activating skeletal muscle AMPK. *Nature Medicine*, **2006**, 12, 541-8	50.5	226
500	Interleukin-6 and Soluble Interleukin-6 Receptor: Direct Stimulation of gp130 and Hematopoiesis. *Blood*, **1998**, 92, 3495-3504	2.2	224
499	Structure of an extracellular gp130 cytokine receptor signaling complex. *Science*, **2001**, 291, 2150-5	33.3	216
498	IL-6 biology: implications for clinical targeting in rheumatic disease. *Nature Reviews Rheumatology*, **2014**, 10, 720-7	8.1	214
497	Trans-presentation of IL-6 by dendritic cells is required for the priming of pathogenic T17 cells. *Nature Immunology*, **2017**, 18, 74-85	19.1	214
496	The role of interleukin-6 signaling in nervous tissue. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2016**, 1863, 1218-27	4.9	212
495	Human TYK2 deficiency: Mycobacterial and viral infections without hyper-IgE syndrome. *Journal of Experimental Medicine*, **2015**, 212, 1641-62	16.6	209
494	IL-6 trans-signaling modulates TLR4-dependent inflammatory responses via STAT3. *Journal of Immunology*, **2011**, 186, 1199-208	5.3	208
493	Interplay between IFN-gamma and IL-6 signaling governs neutrophil trafficking and apoptosis during acute inflammation. *Journal of Clinical Investigation*, **2003**, 112, 598-607	15.9	204
492	Interleukin-6: from basic biology to selective blockade of pro-inflammatory activities. *Seminars in Immunology*, **2014**, 26, 2-12	10.7	203
491	The soluble Interleukin 6 receptor: generation and role in inflammation and cancer. *European Journal of Cell Biology*, **2011**, 90, 484-94	6.1	203
490	Transgenic blockade of interleukin 6 transsignaling abrogates inflammation. *Blood*, **2008**, 111, 1021-8	2.2	200
489	RIP3, a kinase promoting necroptotic cell death, mediates adverse remodelling after myocardial infarction. *Cardiovascular Research*, **2014**, 103, 206-16	9.9	198
488	Soluble IL-6 receptor governs IL-6 activity in experimental arthritis: blockade of arthritis severity by soluble glycoprotein 130. *Journal of Immunology*, **2003**, 171, 3202-9	5.3	193
487	IL-6 transsignaling: the in vivo consequences. *Journal of Interferon and Cytokine Research*, **2005**, 25, 241-53	3.5	193

486	The role of soluble receptors in cytokine biology: the agonistic properties of the sIL-6R/IL-6 complex. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2002**, 1592, 251-63	4.9	190
485	The role of IL-6 in host defence against infections: immunobiology and clinical implications. *Nature Reviews Rheumatology*, **2017**, 13, 399-409	8.1	189
484	L1 is sequentially processed by two differently activated metalloproteases and presenilin/gamma-secretase and regulates neural cell adhesion, cell migration, and neurite outgrowth. *Molecular and Cellular Biology*, **2005**, 25, 9040-53	4.8	188
483	Cutting edge: trans-signaling via the soluble IL-6R abrogates the induction of FoxP3 in naive CD4+CD25 T cells. *Journal of Immunology*, **2007**, 179, 2041-5	5.3	183
482	Interleukin-6 and its receptor: from bench to bedside. *Medical Microbiology and Immunology*, **2006**, 195, 173-83	4	182
481	IL-6 trans-signaling promotes pancreatitis-associated lung injury and lethality. *Journal of Clinical Investigation*, **2013**, 123, 1019-31	15.9	174
480	Antibodies against tumor necrosis factor (TNF) induce T-cell apoptosis in patients with inflammatory bowel diseases via TNF receptor 2 and intestinal CD14+ macrophages. *Gastroenterology*, **2011**, 141, 2026-38	13.3	172
479	Fever-range thermal stress promotes lymphocyte trafficking across high endothelial venules via an interleukin 6 trans-signaling mechanism. *Nature Immunology*, **2006**, 7, 1299-308	19.1	171
478	Essential roles of IL-6 trans-signaling in colonic epithelial cells, induced by the IL-6/soluble-IL-6 receptor derived from lamina propria macrophages, on the development of colitis-associated premalignant cancer in a murine model. *Journal of Immunology*, **2010**, 184, 1543-51	5.3	165
477	IL-6 trans-signaling in formation and progression of malignant ascites in ovarian cancer. *Cancer Research*, **2011**, 71, 424-34	10.1	163
476	Therapeutic targeting of IL-6 trans signaling counteracts STAT3 control of experimental inflammatory arthritis. *Journal of Immunology*, **2009**, 182, 613-22	5.3	159
475	IL-6 Signaling Promotes Tumor Growth in Colorectal Cancer. *Cell Cycle*, **2005**, 4, 220-223	4.7	159
474	Loss of P53 Function Activates JAK2-STAT3 Signaling to Promote Pancreatic Tumor Growth, Stroma Modification, and Gemcitabine Resistance in Mice and Is Associated With Patient Survival. *Gastroenterology*, **2016**, 151, 180-193.e12	13.3	157
473	Blocking IL-6 trans-signaling prevents high-fat diet-induced adipose tissue macrophage recruitment but does not improve insulin resistance. *Cell Metabolism*, **2015**, 21, 403-16	24.6	155
472	Transsignaling of interleukin-6 crucially contributes to atherosclerosis in mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 281-90	9.4	155
471	The shedding protease ADAM17: Physiology and pathophysiology. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 2059-2070	4.9	154
470	Elastin-like polypeptides revolutionize recombinant protein expression and their biomedical application. *Trends in Biotechnology*, **2010**, 28, 37-45	15.1	154
469	IL-6 trans-signaling licenses mouse and human tumor microvascular gateways for trafficking of cytotoxic T cells. *Journal of Clinical Investigation*, **2011**, 121, 3846-59	15.9	153

468	Trans-signaling is a dominant mechanism for the pathogenic actions of interleukin-6 in the brain. *Journal of Neuroscience*, **2014**, 34, 2503-13	6.6	145
467	Species specificity of ADAM10 and ADAM17 proteins in interleukin-6 (IL-6) trans-signaling and novel role of ADAM10 in inducible IL-6 receptor shedding. *Journal of Biological Chemistry*, **2011**, 286, 14804-11	5.4	145
466	The IL-6–gp130–STAT3 pathway in hepatocytes triggers liver protection in T cell–mediated liver injury. *Journal of Clinical Investigation*, **2005**, 115, 860-869	15.9	144
465	Extramedullary expansion of hematopoietic progenitor cells in interleukin (IL)-6-sIL-6R double transgenic mice. *Journal of Experimental Medicine*, **1997**, 185, 755-66	16.6	143
464	Interleukin 17 drives vascular inflammation, endothelial dysfunction, and arterial hypertension in psoriasis-like skin disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2658-68	9.4	140
463	A role for IL-27p28 as an antagonist of gp130-mediated signaling. *Nature Immunology*, **2010**, 11, 1119-26	19.1	139
462	The IL-6R alpha chain controls lung CD4+CD25+ Treg development and function during allergic airway inflammation in vivo. *Journal of Clinical Investigation*, **2005**, 115, 313-25	15.9	135
461	Metalloprotease-mediated tumor cell shedding of B7-H6, the ligand of the natural killer cell-activating receptor NKp30. *Cancer Research*, **2014**, 74, 3429-40	10.1	134
460	Loss of CD4+ T cell IL-6R expression during inflammation underlines a role for IL-6 trans signaling in the local maintenance of Th17 cells. *Journal of Immunology*, **2010**, 184, 2130-9	5.3	131
459	Shedding of interleukin-6 receptor and tumor necrosis factor alpha. Contribution of the stalk sequence to the cleavage pattern of transmembrane proteins. *FEBS Journal*, **2000**, 267, 2624-31		131
458	Role of interleukin-6 and soluble IL-6 receptor in region-specific induction of astrocytic differentiation and neurotrophin expression. *Glia*, **1999**, 26, 191-200	9	131
457	VEGF receptor signaling links inflammation and tumorigenesis in colitis-associated cancer. *Journal of Experimental Medicine*, **2010**, 207, 2855-68	16.6	127
456	Molecular cloning of mouse protein kinase C (PKC) cDNA from Swiss 3T3 fibroblasts. *Gene*, **1988**, 74, 465-71	3.8	126
455	Repopulating Microglia Promote Brain Repair in an IL-6-Dependent Manner. *Cell*, **2020**, 180, 833-846.e16	36.2	125
454	Selective blockade of interleukin-6 trans-signaling improves survival in a murine polymicrobial sepsis model. *Critical Care Medicine*, **2011**, 39, 1407-13	1.4	125
453	Interleukin-6 and neural stem cells: more than gliogenesis. *Molecular Biology of the Cell*, **2009**, 20, 188-99	3.5	121
452	IL-6 Improves Energy and Glucose Homeostasis in Obesity via Enhanced Central IL-6 trans-Signaling. *Cell Reports*, **2017**, 19, 267-280	10.6	116
451	Distinct role of gp130 activation in promoting self-renewal divisions by mitogenically stimulated murine hematopoietic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 1757-62	11.5	113

450	Coexpression of IL-6 and soluble IL-6R causes nodular regenerative hyperplasia and adenomas of the liver. *EMBO Journal*, **1998**, 17, 5588-97	13	109
449	Classic interleukin-6 receptor signaling and interleukin-6 trans-signaling differentially control angiotensin II-dependent hypertension, cardiac signal transducer and activator of transcription-3 activation, and vascular hypertrophy in vivo. *American Journal of Pathology*, **2007**, 171, 315-25	5.8	109
448	The hepatic interleukin-6 receptor. Down-regulation of the interleukin-6 binding subunit (gp80) by its ligand. *FEBS Letters*, **1992**, 306, 219-22	3.8	109
447	STAT3 regulated ARF expression suppresses prostate cancer metastasis. *Nature Communications*, **2015**, 6, 7736	17.4	106
446	IL-6 controls the innate immune response against Listeria monocytogenes via classical IL-6 signaling. *Journal of Immunology*, **2013**, 190, 703-11	5.3	106
445	Inhibition of classic signaling is a novel function of soluble glycoprotein 130 (sgp130), which is controlled by the ratio of interleukin 6 and soluble interleukin 6 receptor. *Journal of Biological Chemistry*, **2011**, 286, 42959-70	5.4	106
444	Signaling of human ciliary neurotrophic factor (CNTF) revisited. The interleukin-6 receptor can serve as an alpha-receptor for CTNF. *Journal of Biological Chemistry*, **2003**, 278, 9528-35	5.4	106
443	Neural activities of IL-6-type cytokines often depend on soluble cytokine receptors. *European Journal of Neuroscience*, **1999**, 11, 2995-3004	3.5	103
442	Differentially regulated GPVI ectodomain shedding by multiple platelet-expressed proteinases. *Blood*, **2010**, 116, 3347-55	2.2	101
441	The substrate degradome of meprin metalloproteases reveals an unexpected proteolytic link between meprin and ADAM10. *Cellular and Molecular Life Sciences*, **2013**, 70, 309-33	10.3	100
440	A key role for gp130 expressed on peripheral sensory nerves in pathological pain. *Journal of Neuroscience*, **2009**, 29, 13473-83	6.6	100
439	Fast modulation of heat-activated ionic current by proinflammatory interleukin 6 in rat sensory neurons. *Brain*, **2005**, 128, 1634-41	11.2	100
438	Liver regeneration induced by a designer human IL-6/sIL-6R fusion protein reverses severe hepatocellular injury. *FASEB Journal*, **2000**, 14, 1979-87	0.9	100
437	The interleukin-6 cytokine system regulates epidermal permeability barrier homeostasis. *Journal of Investigative Dermatology*, **2004**, 123, 124-31	4.3	99
436	Delivery of hyper-interleukin-6 to the injured spinal cord increases neutrophil and macrophage infiltration and inhibits axonal growth. *Journal of Comparative Neurology*, **2002**, 454, 213-28	3.4	99
435	Protein kinase C activity is rate limiting for shedding of the interleukin-6 receptor. *Biochemical and Biophysical Research Communications*, **1992**, 189, 794-800	3.4	99
434	TGF-beta1 in liver fibrosis: an inducible transgenic mouse model to study liver fibrogenesis. *American Journal of Physiology - Renal Physiology*, **1999**, 276, G1059-68	5.1	98
433	Genetic partitioning of interleukin-6 signalling in mice dissociates Stat3 from Smad3-mediated lung fibrosis. *EMBO Molecular Medicine*, **2012**, 4, 939-51	12	97

432	Enzymatically degraded, nonoxidized LDL induces human vascular smooth muscle cell activation, foam cell transformation, and proliferation. *Circulation*, **2000**, 101, 1799-805	16.7	97
431	The interleukin-6 receptor Asp358Ala single nucleotide polymorphism rs2228145 confers increased proteolytic conversion rates by ADAM proteases. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 1485-94	6.9	95
430	HHV-8-encoded viral IL-6 collaborates with mouse IL-6 in the development of multicentric Castleman disease in mice. *Blood*, **2012**, 119, 5173-81	2.2	94
429	Optimization of retroviral-mediated gene transfer to human NOD/SCID mouse repopulating cord blood cells through a systematic analysis of protocol variables. *Experimental Hematology*, **1999**, 27, 817-25	3.1	94
428	Pore-forming toxins trigger shedding of receptors for interleukin 6 and lipopolysaccharide. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 7882-7	11.5	94
427	Studies on the structure and regulation of the human hepatic interleukin-6 receptor. *FEBS Journal*, **1990**, 190, 79-83		94
426	The Soluble Interleukin 6 Receptor: Advanced Therapeutic Options in Inflammation. *Clinical Pharmacology and Therapeutics*, **2017**, 102, 591-598	6.1	93
425	The family of the IL-6-Type cytokines: Specificity and promiscuity of the receptor complexes **1997**, 27, 96-109		93
424	An interleukin-6 receptor-dependent molecular switch mediates signal transduction of the IL-27 cytokine subunit p28 (IL-30) via a gp130 protein receptor homodimer. *Journal of Biological Chemistry*, **2013**, 288, 4346-54	5.4	92
423	Role of interleukin-6 for LV remodeling and survival after experimental myocardial infarction. *FASEB Journal*, **2003**, 17, 2118-20	0.9	92
422	Differential shedding of the two subunits of the interleukin-6 receptor. *FEBS Letters*, **1993**, 332, 174-8	3.8	91
421	Opposing roles of gp130-mediated STAT-3 and ERK-1/ 2 signaling in liver progenitor cell migration and proliferation. *Hepatology*, **2007**, 45, 486-94	11.2	89
420	IL-6 trans-signaling is essential for the development of hepatocellular carcinoma in mice. *Hepatology*, **2017**, 65, 89-103	11.2	88
419	STAT3 activation via interleukin 6 trans-signalling contributes to ileitis in SAMP1/Yit mice. *Gut*, **2006** , 55, 1263-9	19.2	88
418	Interleukin-6 trans-signaling in inflammatory bowel disease. *Cytokine and Growth Factor Reviews*, **2006**, 17, 451-61	17.9	87
417	IL-6 receptor independent stimulation of human gp130 by viral IL-6. *Journal of Immunology*, **2000**, 164, 4672-7	5.3	86
416	The transcription factor NFATc2 controls IL-6-dependent T cell activation in experimental colitis. *Journal of Experimental Medicine*, **2008**, 205, 2099-110	16.6	85
415	Differential expression of CD126 and CD130 mediates different STAT-3 phosphorylation in CD4+CD25- and CD25high regulatory T cells. *International Immunology*, **2006**, 18, 555-63	4.9	85

414	Inhibition of T cell apoptosis in the aqueous humor of patients with uveitis by IL-6/soluble IL-6 receptor trans-signaling. *Journal of Immunology*, **2004**, 173, 5290-7	5.3	85
413	Receptor recognition sites of cytokines are organized as exchangeable modules. Transfer of the leukemia inhibitory factor receptor-binding site from ciliary neurotrophic factor to interleukin-6. *Journal of Biological Chemistry*, **1999**, 274, 11859-67	5.4	85
412	The IL-6-gp130-STAT3 pathway in hepatocytes triggers liver protection in T cell-mediated liver injury. *Journal of Clinical Investigation*, **2005**, 115, 860-9	15.9	84
411	Shedding of Endogenous Interleukin-6 Receptor (IL-6R) Is Governed by A Disintegrin and Metalloproteinase (ADAM) Proteases while a Full-length IL-6R Isoform Localizes to Circulating Microvesicles. *Journal of Biological Chemistry*, **2015**, 290, 26059-71	5.4	82
410	Soluble tumor necrosis factor (TNF) receptor-1 induces apoptosis via reverse TNF signaling and autocrine transforming growth factor-beta1. *FASEB Journal*, **2005**, 19, 91-3	0.9	82
409	Hepatocellular hyperplasia, plasmacytoma formation, and extramedullary hematopoiesis in interleukin (IL)-6/soluble IL-6 receptor double-transgenic mice. *American Journal of Pathology*, **1998**, 153, 639-48	5.8	81
408	The transcription factor IFN regulatory factor-4 controls experimental colitis in mice via T cell-derived IL-6. *Journal of Clinical Investigation*, **2008**, 118, 2415-26	15.9	81
407	Soluble human interleukin-6 receptor. Expression in insect cells, purification and characterization. *FEBS Journal*, **1995**, 234, 661-9		80
406	Sleep enhances IL-6 trans-signaling in humans. *FASEB Journal*, **2006**, 20, 2174-6	0.9	79
405	Ligand/receptor signaling threshold (LIST) model accounts for gp130-mediated embryonic stem cell self-renewal responses to LIF and HIL-6. *Stem Cells*, **2002**, 20, 119-38	5.8	79
404	Interleukin-31 and oncostatin-M mediate distinct signaling reactions and response patterns in lung epithelial cells. *Journal of Biological Chemistry*, **2007**, 282, 3014-26	5.4	78
403	IL-6 trans-signaling: the heat is on. *Immunity*, **2004**, 20, 2-4	32.3	78
402	Interleukin-6 (IL-6) and its soluble receptor support survival of sensory neurons. *Journal of Neuroscience Research*, **1999**, 55, 411-22	4.4	78
401	IL-6 blockade by monoclonal antibodies inhibits apolipoprotein (a) expression and lipoprotein (a) synthesis in humans. *Journal of Lipid Research*, **2015**, 56, 1034-42	6.3	77
400	Functional characterization of a soluble gp130 isoform and its therapeutic capacity in an experimental model of inflammatory arthritis. *Arthritis and Rheumatism*, **2006**, 54, 1662-72		77
399	Regulation of endotoxin-induced IL-6 production in liver sinusoidal endothelial cells and Kupffer cells by IL-10. *Clinical and Experimental Immunology*, **1997**, 107, 555-61	6.2	76
398	Proteolytic Origin of the Soluble Human IL-6R In Vivo and a Decisive Role of N-Glycosylation. *PLoS Biology*, **2017**, 15, e2000080	9.7	76
397	Inhibition of IL-6 signaling significantly reduces primary tumor growth and recurrencies in orthotopic xenograft models of pancreatic cancer. *International Journal of Cancer*, **2015**, 137, 1035-46	7.5	74

396	Activation of gp130 by IL-6/soluble IL-6 receptor induces neuronal differentiation. *European Journal of Neuroscience*, **1997**, 9, 2765-73	3.5	74
395	Virokines in the pathogenesis of cancer: focus on human herpesvirus 8. *Annals of the New York Academy of Sciences*, **2004**, 1028, 329-39	6.5	74
394	IL6 Trans-signaling Promotes KRAS-Driven Lung Carcinogenesis. *Cancer Research*, **2016**, 76, 866-76	10.1	73
393	Proteolytic Cleavage Governs Interleukin-11 Trans-signaling. *Cell Reports*, **2016**, 14, 1761-1773	10.6	72
392	Interleukin-6 (IL-6) and soluble forms of IL-6 receptors are not altered in cerebrospinal fluid of Alzheimerβ disease patients. *Neuroscience Letters*, **1997**, 239, 29-32	3.3	72
391	ADAM17, shedding, TACE as therapeutic targets. *Pharmacological Research*, **2013**, 71, 19-22	10.2	71
390	IL-6 regulates neutrophil microabscess formation in IL-17A-driven psoriasiform lesions. *Journal of Investigative Dermatology*, **2014**, 134, 728-735	4.3	71
389	TIMP expression in toxic and cholestatic liver injury in rat. *Journal of Hepatology*, **1997**, 27, 535-44	13.4	71
388	Interleukin-6: a villain in the drama of pancreatic cancer development and progression. *Hepatobiliary and Pancreatic Diseases International*, **2014**, 13, 371-80	2.1	69
387	Hitting a complex target: an update on interleukin-6 trans-signalling. *Expert Opinion on Therapeutic Targets*, **2012**, 16, 225-36	6.4	69
386	A disintegrin and metalloprotease (ADAM) 10 and ADAM17 are major sheddases of T cell immunoglobulin and mucin domain 3 (Tim-3). *Journal of Biological Chemistry*, **2013**, 288, 34529-44	5.4	69
385	ELPylated anti-human TNF therapeutic single-domain antibodies for prevention of lethal septic shock. *Plant Biotechnology Journal*, **2011**, 9, 22-31	11.6	68
384	Enhancing influence of intranasal interleukin-6 on slow-wave activity and memory consolidation during sleep. *FASEB Journal*, **2009**, 23, 3629-36	0.9	68
383	Structure-function analysis of human interleukin-6. Evidence for the involvement of the carboxy-terminus in function. *FEBS Letters*, **1990**, 262, 323-6	3.8	68
382	ADAM17 substrate release in proximal tubule drives kidney fibrosis. *JCI Insight*, **2016**, 1,	9.9	68
381	Tumor development in murine ulcerative colitis depends on MyD88 signaling of colonic F4/80+CD11b(high)Gr1(low) macrophages. *Journal of Clinical Investigation*, **2011**, 121, 1692-708	15.9	68
380	Ciliary neurotrophic factor induces acute-phase protein expression in hepatocytes. *FEBS Letters*, **1992**, 314, 280-4	3.8	67
379	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. *Gut*, **2020**, 69, 1269-1282	19.2	66

378	Hyper-IL-6 gene therapy reverses fulminant hepatic failure. *Molecular Therapy*, **2001**, 3, 683-7	11.7	65
377	IL-6 trans-signaling-dependent rapid development of cytotoxic CD8+ T cell function. *Cell Reports*, **2014**, 8, 1318-27	10.6	64
376	Dynamics of the gp130 cytokine complex: a model for assembly on the cellular membrane. *Protein Science*, **2005**, 14, 783-90	6.3	64
375	Interleukin-6 in sepsis and capillary leakage syndrome. *Journal of Interferon and Cytokine Research*, **2012**, 32, 60-5	3.5	62
374	An analysis of the function and expression of D6 on lymphatic endothelial cells. *Blood*, **2013**, 121, 3768-77	7.2	62
373	The three carboxy-terminal amino acids of human interleukin-6 are essential for its biological activity. *FEBS Letters*, **1990**, 273, 95-8	3.8	62
372	Impact of interleukin-6 classic- and trans-signaling on liver damage and regeneration. *Journal of Autoimmunity*, **2010**, 34, 29-37	15.5	61
371	Up-regulation of the interleukin-6-signal transducing protein (gp130) by interleukin-6 and dexamethasone in HepG2 cells. *FEBS Letters*, **1992**, 297, 263-5	3.8	61
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