Sandra - Pellegrini

List of Publications by Year
in descending order

93 papers	10,253 citations	44042 48 h-index	49868 87 g-index
104 all docs	104 docs citations	104 times ranked	11347 citing authors

#	Article	IF	Citations
1	Association and activation of Jak-Tyk kinases by CNTF-LIF-OSM-IL-6 beta receptor components. Science, 1994, 263, 92-95.	6.0	967
2	A protein tyrosine kinase in the interferon Î±Î² signaling pathway. Cell, 1992, 70, 313-322.	13.5	903
3	Association of transcription factor APRF and protein kinase Jak1 with the interleukin-6 signal transducer gp130. Science, 1994, 263, 89-92.	6.0	787
4	The protein tyrosine kinase JAK1 complements defects in interferon-Î±/Î² and -Î³ signal transduction. Nature, 1993, 366, 129-135.	13.7	785
5	Human intracellular ISG15 prevents interferon-Î±/Î² over-amplification and auto-inflammation. Nature, 2015, 517, 89-93.	13.7	432
6	Evolutionary Dynamics of Human Toll-Like Receptors and Their Different Contributions to Host Defense. PLoS Genetics, 2009, 5, e1000562.	1.5	341
7	Genome-wide expression profiling of lymphoblastoid cell lines distinguishes different forms of autism and reveals shared pathways â€. Human Molecular Genetics, 2007, 16, 1682-1698.	1.4	290
8	The human papilloma virus (HPV)-18 E6 oncoprotein physically associates with Tyk2 and impairs Jak-STAT activation by interferon-Î±. Oncogene, 1999, 18, 5727-5737.	2.6	255
9	The Structure, Regulation and Function of the Janus Kinases (JAKs) and the Signal Transducers and Activators of Transcription (STATs). FEBS Journal, 1997, 248, 615-633.	0.2	244
10	USP18-Based Negative Feedback Control Is Induced by Type I and Type III Interferons and Specifically Inactivates Interferon Î± Response. PLoS ONE, 2011, 6, e22200.	1.1	225
11	Human USP18 deficiency underlies type 1 interferonopathy leading to severe pseudo-TORCH syndrome. Journal of Experimental Medicine, 2016, 213, 1163-1174.	4.2	224
12	Natural variation in the parameters of innate immune cells is preferentially driven by genetic factors. Nature Immunology, 2018, 19, 302-314.	7.0	205
13	Functional Analysis via Standardized Whole-Blood Stimulation Systems Defines the Boundaries of a Healthy Immune Response to Complex Stimuli. Immunity, 2014, 40, 436-450.	6.6	192
14	Early events in signalling by interferons. Trends in Biochemical Sciences, 1993, 18, 338-342.	3.7	189
15	The tyrosine kinase Tyk2 controls IFNAR1 cell surface expression. EMBO Journal, 2003, 22, 537-547.	3.5	183
16	Distinctive roles of age, sex, and genetics in shaping transcriptional variation of human immune responses to microbial challenges. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E488-E497.	3.3	181
17	Interferon-Î±-dependent Activation of Tyk2 Requires Phosphorylation of Positive Regulatory Tyrosines by Another Kinase. Journal of Biological Chemistry, 1996, 271, 20494-20500.	1.6	162
18	ISG15 deficiency and increased viral resistance in humans but not mice. Nature Communications, 2016, 7, 11496.	5.8	156

#	ARTICLE	IF	CITATIONS
19	Tuberculosis and impaired IL-23â€“dependent IFN-Î³ immunity in humans homozygous for a common <i>TYK2</i> missense variant. Science Immunology, 2018, 3, .	5.6	148
20	Distinct Domains of the Protein Tyrosine Kinase tyk2 Required for Binding of Interferon-Î±/Î² and for Signal Transduction. Journal of Biological Chemistry, 1995, 270, 3327-3334.	1.6	140
21	STAT2 is an essential adaptor in USP18-mediated suppression of type I interferon signaling. Nature Structural and Molecular Biology, 2017, 24, 279-289.	3.6	140
22	Selective Expression of Type I IFN Genes in Human Dendritic Cells Infected with<i>Mycobacterium tuberculosis</i>. Journal of Immunology, 2002, 169, 366-374.	0.4	122
23	A natural mutation in the Tyk2 pseudokinase domain underlies altered susceptibility of B10.Q/J mice to infection and autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11594-11599.	3.3	120
24	The amino-terminal region of Tyk2 sustains the level of interferon Â receptor 1, a component of the interferon Â/Â receptor. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 11839-11844.	3.3	113
25	Human genetic variants and age are the strongest predictors of humoral immune responses to common pathogens and vaccines. Genome Medicine, 2018, 10, 59.	3.6	113
26	The Janus kinase family of protein tyrosine kinases and their role in signaling. Cellular and Molecular Life Sciences, 1999, 55, 1523-1534.	2.4	111
27	Janus Kinase-dependent Activation of Insulin Receptor Substrate 1 in Response to Interleukin-4, Oncostatin M, and the Interferons. Journal of Biological Chemistry, 1997, 272, 24183-24190.	1.6	110
28	Receptor dimerization dynamics as a regulatory valve for plasticity of type I interferon signaling. Journal of Cell Biology, 2015, 209, 579-593.	2.3	103
29	Mycolactone subverts immunity by selectively blocking the Sec61 translocon. Journal of Experimental Medicine, 2016, 213, 2885-2896.	4.2	101
30	IL4 and IL13 receptors share the Î³c chain and activate STAT6, STAT3 and STAT5 proteins in normal human B cells. FEBS Letters, 1996, 393, 53-56.	1.3	94
31	Receptor Density Is Key to the Alpha2/Beta Interferon Differential Activities. Molecular and Cellular Biology, 2009, 29, 4778-4787.	1.1	91
32	Specific Contribution of Tyk2 JH Regions to the Binding and the Expression of the Interferon Î±/Î² Receptor Component IFNAR1. Journal of Biological Chemistry, 1998, 273, 24723-24729.	1.6	87
33	Standardized Whole-Blood Transcriptional Profiling Enables the Deconvolution of Complex Induced Immune Responses. Cell Reports, 2016, 16, 2777-2791.	2.9	84
34	A dual role for the kinase-like domain of the tyrosine kinase Tyk2 in interferon-alpha signaling. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8991-8996.	3.3	82
35	Tyk2 and Stat3 Regulate Brown Adipose Tissue Differentiation and Obesity. Cell Metabolism, 2012, 16, 814-824.	7.2	81
36	TYK2 activity promotes ligand-induced IFNAR1 proteolysis. Biochemical Journal, 2006, 397, 31-38.	1.7	78

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37	The Milieu IntÃ©rieur study â€" An integrative approach for study of human immunological variance. Clinical Immunology, 2015, 157, 277-293.	1.4	71
38	Down-Modulation of Responses to Type I IFN Upon T Cell Activation. Journal of Immunology, 2003, 170, 749-756.	0.4	67
39	Differential responsiveness to IFN-Â and IFN-Â of human mature DC through modulation of IFNAR expression. Journal of Leukocyte Biology, 2006, 79, 1286-1294.	1.5	67
40	Comparable potency of IFNÎ±2 and IFNÎ² on immediate JAK/STAT activation but differential down-regulation of IFNAR2. Biochemical Journal, 2007, 407, 141-151.	1.7	66
41	Differences in Activity between Î± and Î² Type I Interferons Explored by Mutational Analysis. Journal of Biological Chemistry, 1998, 273, 8003-8008.	1.6	64
42	Herpes simplex encephalitis in a patient with a distinctive form of inherited IFNAR1 deficiency. Journal of Clinical Investigation, 2021, 131, .	3.9	64
43	Two Rare Disease-Associated Tyk2 Variants Are Catalytically Impaired but Signaling Competent. Journal of Immunology, 2013, 190, 2335-2344.	0.4	63
44	Amplification and excision of integrated polyoma DNA sequences require a functional origin of replication. Cell, 1984, 36, 943-949.	13.5	59
45	Activation of the protein tyrosine kinase tyk2 by interferon alpha/beta. FEBS Journal, 1994, 223, 427-435.	0.2	59
46	Downregulation of Interleukin-12 (IL-12) Responsiveness in Human T Cells by Transforming Growth Factor-Î²: Relationship With IL-12 Signaling. Blood, 1999, 93, 1448-1455.	0.6	56
47	Dendritic-cell maturation alters intracellular signaling networks, enabling differential effects of IFN-Î±/Î² on antigen cross-presentation. Blood, 2007, 109, 1113-1122.	0.6	55
48	Interferon Î± Inhibits a Src-mediated Pathway Necessary for Shigella-induced Cytoskeletal Rearrangements in Epithelial Cells. Journal of Cell Biology, 1998, 143, 1003-1012.	2.3	52
49	A Dual Role of IFN-Î± in the Balance between Proliferation and Death of Human CD4+ T Lymphocytes during Primary Response. Journal of Immunology, 2004, 173, 3740-3747.	0.4	51
50	USP18 establishes the transcriptional and anti-proliferative interferon Î±/Î² differential. Biochemical Journal, 2012, 446, 509-516.	1.7	50
51	Basal Ubiquitin-independent Internalization of Interferon Î± Receptor Is Prevented by Tyk2-mediated Masking of a Linear Endocytic Motif. Journal of Biological Chemistry, 2008, 283, 18566-18572.	1.6	46
52	IFNA2: The prototypic human alpha interferon. Gene, 2015, 567, 132-137.	1.0	46
53	Ligand-independent pathway that controls stability of interferon alpha receptor. Biochemical and Biophysical Research Communications, 2008, 367, 388-393.	1.0	45
54	Jamip1 (Marlin-1) Defines a Family of Proteins Interacting with Janus Kinases and Microtubules. Journal of Biological Chemistry, 2004, 279, 43168-43177.	1.6	39

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55	Hepatitis B virus X protein inhibits extracellular IFN-Î±-mediated signal transduction by downregulation of type I IFN receptor. International Journal of Molecular Medicine, 2012, 29, 581-586.	1.8	39
56	Carcinogen induced asynchronous replication of polyoma DNA is mediated by a trans-acting factor. Carcinogenesis, 1986, 7, 1011-1017.	1.3	35
57	Down-modulation of Type 1 Interferon Responses by Receptor Cross-competition for a Shared Jak Kinase. Journal of Biological Chemistry, 2001, 276, 47004-47012.	1.6	35
58	NF-ÎºB is required for STAT-4 expression during dendritic cell maturation. Journal of Leukocyte Biology, 2007, 81, 355-363.	1.5	33
59	The Receptor Interaction Region of Tyk2 Contains a Motif Required for Its Nuclear Localization. Journal of Biological Chemistry, 2001, 276, 30812-30818.	1.6	31
60	USP18 and ISG15 coordinately impact on SKP2 and cell cycle progression. Scientific Reports, 2019, 9, 4066.	1.6	30
61	Induction of Î²-R1/I-TAC by Interferon-Î² Requires Catalytically Active TYK2. Journal of Biological Chemistry, 1999, 274, 1891-1897.	1.6	29
62	Functional characterization of naturally occurring genetic variants in the human TLR1-2-6 gene family. Human Mutation, 2011, 32, 643-652.	1.1	28
63	A partial form of inherited human USP18 deficiency underlies infection and inflammation. Journal of Experimental Medicine, 2022, 219, .	4.2	28
64	A loss-of-function <i>IFNAR1</i> allele in Polynesia underlies severe viral diseases in homozygotes. Journal of Experimental Medicine, 2022, 219, .	4.2	28
65	Type <scp>I</scp> interferon potentiates <scp>T</scp>â€cell receptor mediated induction of <scp>IL</scp>â€10â€producing <scp>CD</scp>4⁺<scp>T</scp> cells. European Journal of Immunology, 2013, 43, 2730-2740.	1.6	25
66	Two common disease-associated TYK2 variants impact exon splicing and TYK2 dosage. PLoS ONE, 2020, 15, e0225289.	1.1	25
67	Assessment of mTOR-Dependent Translational Regulation of Interferon Stimulated Genes. PLoS ONE, 2015, 10, e0133482.	1.1	21
68	Biochemical Monitoring of the Early Endocytic Traffic of the Type I Interferon Receptor. Journal of Interferon and Cytokine Research, 2010, 30, 89-98.	0.5	18
69	Immune Profiling Enables Stratification of Patients With Active Tuberculosis Disease or <i>Mycobacteriu</i> <i>m tuberculosis</i> Infection. Clinical Infectious Diseases, 2021, 73, e3398-e3408.	2.9	18
70	Post-translational up-regulation of the cell surface-associated Î± component of the human type I interferon receptor during differentiation of peripheral blood monocytes: role in the biological response to type I interferon. European Journal of Immunology, 1997, 27, 1075-1081.	1.6	17
71	T Cell Receptor Signal Initiation Induced by Low-Grade Stimulation Requires the Cooperation of LAT in Human T Cells. PLoS ONE, 2010, 5, e15114.	1.1	16
72	Jakmip1 Is Expressed upon T Cell Differentiation and Has an Inhibitory Function in Cytotoxic T Lymphocytes. Journal of Immunology, 2008, 181, 5847-5856.	0.4	15

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73	Copy number variations and founder effect underlying complete IL-10RÎ² deficiency in Portuguese kindreds. PLoS ONE, 2018, 13, e0205826.	1.1	13
74	Rat fibroblasts expressing high levels of human c-myc transcripts are anchorage-independent and tumorigenic. Journal of Cellular Physiology, 1986, 126, 107-114.	2.0	12
75	Expression of IFNÎ³R2 mutated in a dileucine internalization motif reinstates IFNÎ³ signaling and apoptosis in human T lymphocytes. Immunology Letters, 2010, 134, 17-25.	1.1	12
76	Human Ubiquitin-Specific Peptidase 18 Is Regulated by microRNAs via the 3'Untranslated Region, A Sequence Duplicated in Long Intergenic Non-coding RNA Genes Residing in chr22q11.21. Frontiers in Genetics, 2020, 11, 627007.	1.1	12
77	The Stat3-activating Tyk2 V678F Mutant Does Not Up-regulate Signaling through the Type I Interferon Receptor but Confers Ligand Hypersensitivity to a Homodimeric Receptor. Journal of Biological Chemistry, 2008, 283, 18522-18529.	1.6	11
78	An Old Cytokine Against a New Virus?. Journal of Interferon and Cytokine Research, 2020, 40, 425-428.	0.5	9
79	Type I interferon-enhanced IL-10 expression in human CD4 T cells is regulated by STAT3, STAT2, and BATF transcription factors. Journal of Leukocyte Biology, 2017, 101, 1181-1190.	1.5	8
80	Integrative genetic and immune cell analysis of plasma proteins in healthy donors identifies novel associations involving primary immune deficiency genes. Genome Medicine, 2022, 14, 28.	3.6	8
81	The cyclin D1 carboxyl regulatory domain controls the division and differentiation of hematopoietic cells. Biology Direct, 2016, 11, 21.	1.9	7
82	COPZ1 depletion in thyroid tumor cells triggers type I IFN response and immunogenic cell death. Cancer Letters, 2020, 476, 106-119.	3.2	7
83	Downregulation of Interleukin-12 (IL-12) Responsiveness in Human T Cells by Transforming Growth Factor-Î²: Relationship With IL-12 Signaling. Blood, 1999, 93, 1448-1455.	0.6	7
84	Identification of Signalling Components in Tyrosine Kinase Cascades Using Phosphopeptide Affinity Chromatography. Biochemical and Biophysical Research Communications, 1997, 234, 748-753.	1.0	5
85	Genome-Wide Gene Expression Analysis of Mtb-Infected DC Highlights the Rapamycin-Driven Modulation of Regulatory Cytokines via the mTOR/GSK-3Î² Axis. Frontiers in Immunology, 2021, 12, 649475.	2.2	4
86	Early IFNÎ² secretion determines variable downstream IL-12p70 responses upon TLR4 activation. Cell Reports, 2022, 39, 110989.	2.9	4
87	Rhesus negative males have an enhanced IFNÎ³-mediated immune response to influenza A virus. Genes and Immunity, 2022, 23, 93-98.	2.2	2
88	RÃ©cepteurs aux cytokines et signalisation transmembranaire : le modÃ¨le des interfÃ©rons Î±/Î². Revue Francaise D'allergologie Et D'immunologie Clinique, 1998, 38, 886-888.	0.1	0
89	Translational control as the basis of the differential antiproliferative potency of IFNÎ±2 and IFNÎ². Cytokine, 2009, 48, 120-121.	1.4	0
90	Biochemical monitoring of the early endocytic traffic of the type I interferon receptor. Cytokine, 2009, 48, 129-130.	1.4	0

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91	SS2-3 A cross-talk between the Stat3/SOCS3 and the IRS-1/PI3K/p70S6K pathways regulates antiproliferative activity of IFNÎ². Cytokine, 2010, 52, 13.	1.4	0
92	ID: 140. Cytokine, 2015, 76, 92.	1.4	0
93	Altered Immune Phenotypes and HLA-DQB1 Gene Variation in Multiple Sclerosis Patients Failing Interferon Î² Treatment. Frontiers in Immunology, 2021, 12, 628375.	2.2	0