

Onur Boyman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

9,124
citations

44
h-index

95
g-index

112
ext. papers

11,171
ext. citations

12.3
avg, IF

6.22
L-index

#	Paper	IF	Citations
97	The role of interleukin-2 during homeostasis and activation of the immune system. <i>Nature Reviews Immunology</i> , 2012 , 12, 180-90	36.5	949
96	Plasmacytoid dendritic cells initiate psoriasis through interferon-alpha production. <i>Journal of Experimental Medicine</i> , 2005 , 202, 135-43	16.6	838
95	Selective stimulation of T cell subsets with antibody-cytokine immune complexes. <i>Science</i> , 2006 , 311, 1924-7	33.3	637
94	Spontaneous development of psoriasis in a new animal model shows an essential role for resident T cells and tumor necrosis factor-alpha. <i>Journal of Experimental Medicine</i> , 2004 , 199, 731-6	16.6	394
93	In vivo expansion of T reg cells with IL-2-mAb complexes: induction of resistance to EAE and long-term acceptance of islet allografts without immunosuppression. <i>Journal of Experimental Medicine</i> , 2009 , 206, 751-60	16.6	384
92	Exploiting a natural conformational switch to engineer an interleukin-2 superkine. <i>Nature</i> , 2012 , 484, 529-33	50.4	320
91	Converting IL-15 to a superagonist by binding to soluble IL-15R{alpha}. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9166-71	11.5	310
90	Homeostasis of memory T cells. <i>Immunological Reviews</i> , 2006 , 211, 154-63	11.3	237
89	Cytokines and T-cell homeostasis. <i>Current Opinion in Immunology</i> , 2007 , 19, 320-6	7.8	225
88	Improved IL-2 immunotherapy by selective stimulation of IL-2 receptors on lymphocytes and endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11906-11	11.5	215
87	The epigenetic modifier EZH2 controls melanoma growth and metastasis through silencing of distinct tumour suppressors. <i>Nature Communications</i> , 2015 , 6, 6051	17.4	211
86	GATA3-driven Th2 responses inhibit TGF-beta1-induced FOXP3 expression and the formation of regulatory T cells. <i>PLoS Biology</i> , 2007 , 5, e329	9.7	210
85	Memory B Cells Activate Brain-Homing, Autoreactive CD4 T Cells in Multiple Sclerosis. <i>Cell</i> , 2018 , 175, 85-100.e23	56.2	207
84	Alpha1beta1 integrin is crucial for accumulation of epidermal T cells and the development of psoriasis. <i>Nature Medicine</i> , 2007 , 13, 836-42	50.5	201
83	Interleukin-2: Biology, Design and Application. <i>Trends in Immunology</i> , 2015 , 36, 763-777	14.4	184
82	Homeostatic proliferation and survival of naive and memory T cells. <i>European Journal of Immunology</i> , 2009 , 39, 2088-94	6.1	175
81	The Histone Methyltransferase Ezh2 Controls Mechanisms of Adaptive Resistance to Tumor Immunotherapy. <i>Cell Reports</i> , 2017 , 20, 854-867	10.6	166

80	IL-2- and CD25-dependent immunoregulatory mechanisms in the homeostasis of T-cell subsets. <i>Journal of Allergy and Clinical Immunology</i> , 2009 , 123, 758-62	11.5	166
79	Systemic and mucosal antibody responses specific to SARS-CoV-2 during mild versus severe COVID-19. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 545-557.e9	11.5	160
78	Human natural killer cells prevent infectious mononucleosis features by targeting lytic Epstein-Barr virus infection. <i>Cell Reports</i> , 2013 , 5, 1489-98	10.6	150
77	IL-2/anti-IL-2 antibody complexes show strong biological activity by avoiding interaction with IL-2 receptor alpha subunit CD25. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2171-6	11.5	134
76	The pathogenic role of tissue-resident immune cells in psoriasis. <i>Trends in Immunology</i> , 2007 , 28, 51-7	14.4	117
75	B and T lymphocyte attenuator regulates CD8+ T cell-intrinsic homeostasis and memory cell generation. <i>Nature Immunology</i> , 2007 , 8, 162-71	19.1	110
74	Skewed association of polyfunctional antigen-specific CD8 T cell populations with HLA-B genotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16233-8	11.5	109
73	Research needs in allergy: an EAACI position paper, in collaboration with EFA. <i>Clinical and Translational Allergy</i> , 2012 , 2, 21	5.2	99
72	IL-7/anti-IL-7 mAb complexes restore T cell development and induce homeostatic T Cell expansion without lymphopenia. <i>Journal of Immunology</i> , 2008 , 180, 7265-75	5.3	96
71	An intense form of homeostatic proliferation of naive CD8+ cells driven by IL-2. <i>Journal of Experimental Medicine</i> , 2007 , 204, 1787-801	16.6	93
70	Potential use of IL-2/anti-IL-2 antibody immune complexes for the treatment of cancer and autoimmune disease. <i>Expert Opinion on Biological Therapy</i> , 2006 , 6, 1323-31	5.4	89
69	Cutting edge: IL-7 regulates the peripheral pool of adult ROR gamma+ lymphoid tissue inducer cells. <i>Journal of Immunology</i> , 2009 , 183, 2217-21	5.3	88
68	Homeostatic maintenance of T cells and natural killer cells. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 1597-608	10.3	81
67	The role of cytokines in T-cell memory in health and disease. <i>Immunological Reviews</i> , 2018 , 283, 176-193	11.3	79
66	EAACI IG Biologicals task force paper on the use of biologic agents in allergic disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015 , 70, 727-54	9.3	77
65	T cell homeostasis. <i>Immunology and Cell Biology</i> , 2008 , 86, 312-9	5	74
64	Improved cancer immunotherapy by a CD25-mimobody conferring selectivity to human interleukin-2. <i>Science Translational Medicine</i> , 2016 , 8, 367ra166	17.5	74
63	Inflammation-Induced CCR7 Oligomers Form Scaffolds to Integrate Distinct Signaling Pathways for Efficient Cell Migration. <i>Immunity</i> , 2016 , 44, 59-72	32.3	65

62	Adverse reactions to biologic agents and their medical management. <i>Nature Reviews Rheumatology</i> , 2014 , 10, 612-27	8.1	63
61	Systematic Review of Safety and Efficacy of Rituximab in Treating Immune-Mediated Disorders. <i>Frontiers in Immunology</i> , 2019 , 10, 1990	8.4	58
60	Type 2 Interleukin-4 Receptor Signaling in Neutrophils Antagonizes Their Expansion and Migration during Infection and Inflammation. <i>Immunity</i> , 2016 , 45, 172-84	32.3	56
59	Considerations on biologics for patients with allergic disease in times of the COVID-19 pandemic: An EAACI statement. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 2764-2774	9.3	54
58	A distinct innate immune signature marks progression from mild to severe COVID-19. <i>Cell Reports Medicine</i> , 2021 , 2, 100166	18	48
57	A major histocompatibility complex class I-dependent subset of memory phenotype CD8+ cells. <i>Journal of Experimental Medicine</i> , 2006 , 203, 1817-25	16.6	47
56	Interleukin-7 is produced by afferent lymphatic vessels and supports lymphatic drainage. <i>Blood</i> , 2013 , 122, 2271-81	2.2	45
55	Direct stimulation of T cells by membrane vesicles from antigen-presenting cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11671-6	11.5	45
54	IL-17 receptor A and adenosine deaminase 2 deficiency in siblings with recurrent infections and chronic inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1189-1196.e2	11.5	44
53	Epidermal IL-15R α acts as an endogenous antagonist of psoriasiform inflammation in mouse and man. <i>Journal of Experimental Medicine</i> , 2013 , 210, 2105-17	16.6	43
52	Systemic and mucosal antibody secretion specific to SARS-CoV-2 during mild versus severe COVID-19		42
51	Bystander activation of CD4+ T cells. <i>European Journal of Immunology</i> , 2010 , 40, 936-9	6.1	38
50	Functional and phenotypic characterization of tetanus toxoid-specific human CD4+ T cells following re-immunization. <i>European Journal of Immunology</i> , 2007 , 37, 1129-38	6.1	38
49	Activation of dendritic antigen-presenting cells expressing common heat shock protein receptor CD91 during induction of psoriasis. <i>British Journal of Dermatology</i> , 2005 , 152, 1211-8	4	38
48	IL-4 receptor engagement in human neutrophils impairs their migration and extracellular trap formation. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 144, 267-279.e4	11.5	36
47	Limitations of IL-2 and rapamycin in immunotherapy of type 1 diabetes. <i>Diabetes</i> , 2013 , 62, 3120-31	0.9	35
46	The role of interleukin-2 in memory CD8 cell differentiation. <i>Advances in Experimental Medicine and Biology</i> , 2010 , 684, 28-41	3.6	35
45	The Proton-activated Receptor GPR4 Modulates Intestinal Inflammation. <i>Journal of Crohn's and Colitis</i> , 2018 , 12, 355-368	1.5	34

44	The Swiss National Registry for Primary Immunodeficiencies: report on the first 6 years of activity from 2008 to 2014. <i>Clinical and Experimental Immunology</i> , 2015 , 182, 45-50	6.2	34
43	The role of chemokines in cancer immune surveillance by the adaptive immune system. <i>Seminars in Cancer Biology</i> , 2009 , 19, 76-83	12.7	32
42	Use of enhanced interleukin-2 formulations for improved immunotherapy against cancer. <i>Current Opinion in Chemical Biology</i> , 2014 , 23, 39-46	9.7	31
41	Cytokine complex-expanded natural killer cells improve allogeneic lung transplant function via depletion of donor dendritic cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 1349-59	10.2	28
40	Selectively expanding subsets of T cells in mice by injection of interleukin-2/antibody complexes: implications for transplantation tolerance. <i>Transplantation Proceedings</i> , 2012 , 44, 1032-4	1.1	25
39	Modulation of T cell responses by IL-2 and IL-2 complexes. <i>Clinical and Experimental Rheumatology</i> , 2015 , 33, S54-7	2.2	24
38	The Regulatory Effects of Interleukin-4 Receptor Signaling on Neutrophils in Type 2 Immune Responses. <i>Frontiers in Immunology</i> , 2019 , 10, 2507	8.4	22
37	Epigenetic mechanisms of tumor resistance to immunotherapy. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 4163-4176	10.3	21
36	The transcription factor Rfx7 limits metabolism of NK cells and promotes their maintenance and immunity. <i>Nature Immunology</i> , 2018 , 19, 809-820	19.1	21
35	Evolution and function of interleukin-4 receptor signaling in adaptive immunity and neutrophils. <i>Genes and Immunity</i> , 2020 , 21, 143-149	4.4	20
34	Early peak and rapid decline of SARS-CoV-2 seroprevalence in a Swiss metropolitan region		20
33	Interleukin-2 signals converge in a lymphoid-dendritic cell pathway that promotes anticancer immunity. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	18
32	An IL-2-grafted antibody immunotherapy with potent efficacy against metastatic cancer. <i>Nature Communications</i> , 2020 , 11, 6440	17.4	17
31	Biologics in atopic disease in pregnancy: An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 71-89	9.3	17
30	Systematic Review of Safety and Efficacy of Atacicept in Treating Immune-Mediated Disorders. <i>Frontiers in Immunology</i> , 2020 , 11, 433	8.4	16
29	Profound dysregulation of T cell homeostasis and function in patients with severe COVID-19. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2866-2881	9.3	15
28	Local delivery of CAR T cells targeting fibroblast activation protein is safe in patients with pleural mesothelioma: first report of FAPME, a phase I clinical trial. <i>Annals of Oncology</i> , 2021 , 32, 120-121	10.3	15
27	Immunoglobulin signature predicts risk of post-acute COVID-19 syndrome.. <i>Nature Communications</i> , 2022 , 13, 446	17.4	14

26	The AP1 Transcription Factor Fosl2 Promotes Systemic Autoimmunity and Inflammation by Repressing Treg Development. <i>Cell Reports</i> , 2020 , 31, 107826	10.6	13	
25	Receptor-gated IL-2 delivery by an anti-human IL-2 antibody activates regulatory T cells in three different species. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	12	
24	Regulation of neutrophils in type 2 immune responses. <i>Current Opinion in Immunology</i> , 2018 , 54, 115-122.	7.8	12	
23	Early and Long-Term Effects of Dupilumab Treatment on Circulating T-Cell Functions in Patients with Moderate-to-Severe Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1943-1953.	4.3	12	
22	Endogenous polyclonal anti-IL-1 antibody responses potentiate IL-1 activity during pathogenic inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1957-1965.	e3	11.5	11
21	Signature of long-lived memory CD8 T cells in acute SARS-CoV-2 infection. <i>Nature</i> , 2021 ,	50.4	10	
20	Lymphopenia-induced T cell proliferation is a hallmark of severe COVID-19		9	
19	Erythropoiesis defect observed in STAT3 GOF patients with severe anemia. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 1297-1301	11.5	9	
18	Commensal Clostridiales strains mediate effective anti-cancer immune response against solid tumors. <i>Cell Host and Microbe</i> , 2021 , 29, 1573-1588.	e7	23.4	9
17	Apremilast in Treatment-Refractory Recurrent Aphthous Stomatitis. <i>New England Journal of Medicine</i> , 2019 , 381, 1975-1977	59.2	8	
16	Nanoparticle-Coupled Topical Methotrexate Can Normalize Immune Responses and Induce Tissue Remodeling in Psoriasis. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 1003-1014.	e8	4.3	8
15	Immune modulation via T regulatory cell enhancement: Disease-modifying therapies for autoimmunity and their potential for chronic allergic and inflammatory diseases-An EAACI position paper of the Task Force on Immunopharmacology (TIPCO). <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 80-118	9.3	8	
14	Chemical Synthesis of Interleukin-2 and Disulfide Stabilizing Analogues. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8425-8429	16.4	7	
13	Rapid expansion of Treg cells protects from collateral colitis following a viral trigger. <i>Nature Communications</i> , 2020 , 11, 1522	17.4	7	
12	Development of a novel class of interleukin-2 immunotherapies for metastatic cancer. <i>Swiss Medical Weekly</i> , 2019 , 149, w14697	3.1	7	
11	Establishment of a scalable microfluidic assay for characterization of population-based neutrophil chemotaxis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020 , 75, 1382-1393	9.3	6	
10	A distinct innate immune signature marks progression from mild to severe COVID-19		6	
9	Group A Streptococcal DNase Sda1 Impairs Plasmacytoid Dendritic Cells Type 1 Interferon Response. <i>Journal of Investigative Dermatology</i> , 2019 , 139, 1284-1293	4.3	5	

8	Clinical Relevance of Anti-TNF Antibody Trough Levels and Anti-Drug Antibodies in Treating Inflammatory Bowel Disease Patients. <i>Inflammatory Intestinal Diseases</i> , 2021 , 6, 38-47	2.5	5
7	CD122-directed interleukin-2 treatment mechanisms in bladder cancer differ from PD-L1 and include tissue-selective T cell activation 2021 , 9,		5
6	Systematic review of safety and efficacy of belimumab in treating immune-mediated disorders. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2673-2683	9.3	4
5	Protein tyrosine phosphatase nonreceptor type 2 controls colorectal cancer development. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	4
4	Chemical Synthesis of Interleukin-2 and Disulfide Stabilizing Analogues. <i>Angewandte Chemie</i> , 2020 , 132, 8503-8507	3.6	3
3	Systematic Review of Safety and Efficacy of Second- and Third-Generation CD20-Targeting Biologics in Treating Immune-Mediated Disorders.. <i>Frontiers in Immunology</i> , 2021 , 12, 788830	8.4	2
2	CCR7-guided neutrophil redirection to skin-draining lymph nodes regulates cutaneous inflammation and infection.. <i>Science Immunology</i> , 2022 , 7, eabi9126	28	2
1	Interleukin 2 2014 , 1-9		