

# Masahiro Ono

## 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.

50  
papers

8,304  
citations

21  
h-index

55  
g-index

55  
ext. papers

9,559  
ext. citations

10.2  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
50	Regulatory T cells and immune tolerance. <i>Cell</i> , <b>2008</b> , 133, 775-87	56.2	3491
49	Functional delineation and differentiation dynamics of human CD4+ T cells expressing the FoxP3 transcription factor. <i>Immunity</i> , <b>2009</b> , 30, 899-911	32.3	1576
48	Foxp3+ CD25+ CD4+ natural regulatory T cells in dominant self-tolerance and autoimmune disease. <i>Immunological Reviews</i> , <b>2006</b> , 212, 8-27	11.3	1274
47	Foxp3 controls regulatory T-cell function by interacting with AML1/Runx1. <i>Nature</i> , <b>2007</b> , 446, 685-9	50.4	509
46	HTLV-1 bZIP factor induces T-cell lymphoma and systemic inflammation in vivo. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1001274	7.6	208
45	Indispensable role of the Runx1-Cbfbeta transcription complex for in vivo-suppressive function of FoxP3+ regulatory T cells. <i>Immunity</i> , <b>2009</b> , 31, 609-20	32.3	176
44	. <i>IEEE Transactions on Robotics</i> , <b>2010</b> , 26, 502-517	6.5	169
43	Control of autoimmune myocarditis and multiorgan inflammation by glucocorticoid-induced TNF receptor family-related protein(high), Foxp3-expressing CD25+ and CD25- regulatory T cells. <i>Journal of Immunology</i> , <b>2006</b> , 176, 4748-56	5.3	129
42	Follicular helper T cell signature in type 1 diabetes. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 292-303	15.9	106
41	Convex Chance Constrained Predictive Control Without Sampling <b>2009</b> ,		66
40	CD8+ tumor-infiltrating lymphocytes at primary sites as a possible prognostic factor of cutaneous angiosarcoma. <i>International Journal of Cancer</i> , <b>2014</b> , 134, 2393-402	7.5	64
39	Tissue-derived hedgehog proteins modulate Th differentiation and disease. <i>Journal of Immunology</i> , <b>2013</b> , 190, 2641-9	5.3	60
38	Control of regulatory T-cell differentiation and function by T-cell receptor signalling and Foxp3 transcription factor complexes. <i>Immunology</i> , <b>2020</b> , 160, 24-37	7.8	46
37	Differential effects of inhibition of bone morphogenic protein (BMP) signalling on T-cell activation and differentiation. <i>European Journal of Immunology</i> , <b>2012</b> , 42, 749-59	6.1	42
36	A timer for analyzing temporally dynamic changes in transcription during differentiation in vivo. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 2931-2950	7.3	32
35	Chance-constrained dynamic programming with application to risk-aware robotic space exploration. <i>Autonomous Robots</i> , <b>2015</b> , 39, 555-571	3	27
34	Sonic Hedgehog regulates thymic epithelial cell differentiation. <i>Journal of Autoimmunity</i> , <b>2016</b> , 68, 86-97	15.5	23

33	T-cell dysregulation in COVID-19. <i>Biochemical and Biophysical Research Communications</i> , <b>2021</b> , 538, 204-210	23
32	Skin barrier homeostasis in atopic dermatitis: feedback regulation of kallikrein activity. <i>PLoS ONE</i> , <b>2011</b> , 6, e19895	3-7 22
31	Controversies concerning thymus-derived regulatory T cells: fundamental issues and a new perspective. <i>Immunology and Cell Biology</i> , <b>2016</b> , 94, 3-10	5 21
30	A temporally dynamic autoregulatory transcriptional circuit controls the effector Treg programme. <i>EMBO Journal</i> , <b>2018</b> , 37,	13 21
29	IFITM proteins drive type 2 T helper cell differentiation and exacerbate allergic airway inflammation. <i>European Journal of Immunology</i> , <b>2019</b> , 49, 66-78	6.1 21
28	The impact of environmental enrichment on the murine inflammatory immune response. <i>JCI Insight</i> , <b>2017</b> , 2, e90723	9.9 20
27	Sonic Hedgehog signaling limits atopic dermatitis via Gli2-driven immune regulation. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 3153-3170	15.9 16
26	Regulatory T Cells in Melanoma Revisited by a Computational Clustering of FOXP3+ T Cell Subpopulations. <i>Journal of Immunology</i> , <b>2016</b> , 196, 2885-92	5.3 14
25	A genome wide transcriptional model of the complex response to pre-TCR signalling during thymocyte differentiation. <i>Oncotarget</i> , <b>2015</b> , 6, 28646-60	3.3 14
24	Joint chance-constrained model predictive control with probabilistic resolvability <b>2012</b> ,	13
23	Impact of Enriched Environment on Murine T Cell Differentiation and Gene Expression Profile. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 381	8.4 13
22	Risk factor-dependent dynamics of atopic dermatitis: modelling multi-scale regulation of epithelium homeostasis. <i>Interface Focus</i> , <b>2013</b> , 3, 20120090	3.9 12
21	Skin disease modeling from a mathematical perspective. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 1472-8	4.3 11
20	Visualisation of the T cell differentiation programme by Canonical Correspondence Analysis of transcriptomes. <i>BMC Genomics</i> , <b>2014</b> , 15, 1028	4.5 9
19	Visualising the cross-level relationships between pathological and physiological processes and gene expression: analyses of haematological diseases. <i>PLoS ONE</i> , <b>2013</b> , 8, e53544	3.7 8
18	T-cell hyperactivation and paralysis in severe COVID-19 infection revealed by single-cell analysis	8
17	<b>2015</b> ,	6
16	Sonic Hedgehog Is a Determinant of $\gamma$ -Cell Differentiation in the Thymus. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1629	8.4 5

15	Water resistance profile as a marker of skin barrier damage in atopic dermatitis patients. <i>Journal of Dermatological Science</i> , <b>2016</b> , 81, 126-8	4.3	5
14	Elucidating T Cell Activation-Dependent Mechanisms for Bifurcation of Regulatory and Effector T Cell Differentiation by Multidimensional and Single-Cell Analysis. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1444	8.4	5
13	Identifying a hyperkeratosis signature in autosomal recessive congenital ichthyosis: Mdm2 inhibition prevents hyperkeratosis in a rat ARCI model. <i>Journal of Investigative Dermatology</i> , <b>2014</b> , 134, 858-861	4.3	5
12	Risk-limiting power grid control with an ARMA-based prediction model <b>2013</b> ,		5
11	A Zap70-dependent feedback circuit is essential for efficient selection of CD4 lineage thymocytes. <i>Immunology and Cell Biology</i> , <b>2015</b> , 93, 406-16	5	4
10	Controlled Markov Processes With Safety State Constraints. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 1003-1018	5.9	4
9	Differential Nr4a1 and Nr4a3 expression discriminates tonic from activated TCR signalling events in vivo		4
8	Risk-limiting, market-based power dispatch and pricing <b>2013</b> ,		3
7	Application of dual -GFP -Tocky reporter mice to study T cell receptor signaling by flow cytometry. <i>STAR Protocols</i> , <b>2021</b> , 2, 100284	1.4	3
6	A Mixed Analysis of Influencing Factors for Trust in a Risk-Aware Autonomy. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2020</b> , 64, 102-106	0.4	2
5	NF- $\kappa$ B activation in cardiac fibroblasts results in the recruitment of inflammatory Ly6C monocytes in pressure-overloaded hearts. <i>Science Signaling</i> , <b>2021</b> , 14, eabe4932	8.8	2
4	Risk-Averse Planning Under Uncertainty <b>2020</b> ,		2
3	The immunomodulatory effects of social isolation in mice are linked to temperature control.. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> , 102, 179-194	16.6	2
2	FoxP3 partners up. <i>Nature Immunology</i> , <b>2017</b> , 18, 1181-1183	19.1	1
1	Restoring control over autoimmunity by inducing Foxp3. <i>Nature Immunology</i> , <b>2021</b> , 22, 1080-1082	19.1	