Masahiro Ono

List of Publications by Year
in descending order

50	10,326	279798	265206
papers	citations	23 h-index	42 g-index

55	55	55	15711
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regulatory T Cells and Immune Tolerance. Cell, 2008, 133, 775-787.	28.9	4,269
2	Functional Delineation and Differentiation Dynamics of Human CD4+ T Cells Expressing the FoxP3 Transcription Factor. Immunity, 2009, 30, 899-911.	14.3	1,955
3	Foxp3⁺CD25⁺CD4⁺ natural regulatory T cells in dominant selfâ€tolerance and autoimmune disease. Immunological Reviews, 2006, 212, 8-27.	6.0	1,404
4	Foxp3 controls regulatory T-cell function by interacting with AML1/Runx1. Nature, 2007, 446, 685-689.	27.8	594
5	HTLV-1 bZIP Factor Induces T-Cell Lymphoma and Systemic Inflammation In Vivo. PLoS Pathogens, 2011, 7, e1001274.	4.7	267
6	A Probabilistic Particle-Control Approximation of Chance-Constrained Stochastic Predictive Control. IEEE Transactions on Robotics, 2010, 26, 502-517.	10.3	248
7	Indispensable Role of the Runx1-CbfÎ² Transcription Complex for In Vivo-Suppressive Function of FoxP3+ Regulatory T Cells. Immunity, 2009, 31, 609-620.	14.3	206
8	Control of Autoimmune Myocarditis and Multiorgan Inflammation by Glucocorticoid-Induced TNF Receptor Family-Related Proteinhigh, Foxp3-Expressing CD25+ and CD25â^' Regulatory T Cells. Journal of Immunology, 2006, 176, 4748-4756.	0.8	144
9	Follicular helper T cell signature in type 1 diabetes. Journal of Clinical Investigation, 2015, 125, 292-303.	8.2	143
10	Convex Chance Constrained Predictive Control Without Sampling. , 2009, , .		106
11	Control of regulatory Tâ€cell differentiation and function by Tâ€cell receptor signalling and Foxp3 transcription factor complexes. Immunology, 2020, 160, 24-37.	4.4	100
12	Tissue-Derived Hedgehog Proteins Modulate Th Differentiation and Disease. Journal of Immunology, 2013, 190, 2641-2649.	0.8	84
13	CD8⁺tumor-infiltrating lymphocytes at primary sites as a possible prognostic factor of cutaneous angiosarcoma. International Journal of Cancer, 2014, 134, 2393-2402.	5.1	76
14	Chance-constrained dynamic programming with application to risk-aware robotic space exploration. Autonomous Robots, 2015, 39, 555-571.	4.8	65
15	A timer for analyzing temporally dynamic changes in transcription during differentiation in vivo. Journal of Cell Biology, 2018, 217, 2931-2950.	5.2	63
16	Differential effects of inhibition of bone morphogenic protein (BMP) signalling on Tâ€cell activation and differentiation. European Journal of Immunology, 2012, 42, 749-759.	2.9	52
17	T-cell dysregulation in COVID-19. Biochemical and Biophysical Research Communications, 2021, 538, 204-210.	2.1	50
18	A temporally dynamic Foxp3 autoregulatory transcriptional circuit controls the effector Treg programme. EMBO Journal, 2018, 37, .	7.8	38

#	Article	IF	Citations
19	IFITM proteins drive type 2 T helper cell differentiation and exacerbate allergic airway inflammation. European Journal of Immunology, 2019, 49, 66-78.	2.9	38
20	Sonic Hedgehog signaling limits atopic dermatitis via Gli2-driven immune regulation. Journal of Clinical Investigation, 2019, 129, 3153-3170.	8.2	37
21	Sonic Hedgehog regulates thymic epithelial cell differentiation. Journal of Autoimmunity, 2016, 68, 86-97.	6.5	32
22	Skin Barrier Homeostasis in Atopic Dermatitis: Feedback Regulation of Kallikrein Activity. PLoS ONE, 2011, 6, e19895.	2.5	30
23	The impact of environmental enrichment on the murine inflammatory immune response. JCI Insight, 2017, 2, e90723.	5.0	30
24	Controversies concerning thymusâ€derived regulatory T cells: fundamental issues and a new perspective. Immunology and Cell Biology, 2016, 94, 3-10.	2.3	27
25	A genome wide transcriptional model of the complex response to pre-TCR signalling during thymocyte differentiation. Oncotarget, 2015, 6, 28646-28660.	1.8	20
26	Joint chance-constrained model predictive control with probabilistic resolvability. , 2012, , .		19
27	Visualisation of the T cell differentiation programme by Canonical Correspondence Analysis of transcriptomes. BMC Genomics, 2014, 15, 1028.	2.8	18
28	Regulatory T Cells in Melanoma Revisited by a Computational Clustering of FOXP3+ T Cell Subpopulations. Journal of Immunology, 2016, 196, 2885-2892.	0.8	18
29	Skin Disease Modeling from a Mathematical Perspective. Journal of Investigative Dermatology, 2013, 133, 1472-1478.	0.7	16
30	Impact of Enriched Environment on Murine T Cell Differentiation and Gene Expression Profile. Frontiers in Immunology, 2016, 7, 381.	4.8	16
31	Controlled Markov Processes With Safety State Constraints. IEEE Transactions on Automatic Control, 2019, 64, 1003-1018.	5.7	14
32	Risk factor-dependent dynamics of atopic dermatitis: modelling multi-scale regulation of epithelium homeostasis. Interface Focus, 2013, 3, 20120090.	3.0	13
33	Sonic Hedgehog Is a Determinant of Î³Î´ T-Cell Differentiation in the Thymus. Frontiers in Immunology, 2019, 10, 1629.	4.8	13
34	NF-ÎºB activation in cardiac fibroblasts results in the recruitment of inflammatory Ly6C ^{hi} monocytes in pressure-overloaded hearts. Science Signaling, 2021, 14, eabe4932.	3.6	13
35	Elucidating T Cell Activation-Dependent Mechanisms for Bifurcation of Regulatory and Effector T Cell Differentiation by Multidimensional and Single-Cell Analysis. Frontiers in Immunology, 2018, 9, 1444.	4.8	12
36	Risk-Averse Planning Under Uncertainty. , 2020, , .		12

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37	Visualising the Cross-Level Relationships between Pathological and Physiological Processes and Gene Expression: Analyses of Haematological Diseases. PLoS ONE, 2013, 8, e53544.	2.5	12
38	Identifying a Hyperkeratosis Signature in Autosomal Recessive Congenital Ichthyosis: Mdm2 Inhibition Prevents Hyperkeratosis in a Rat ARCI Model. Journal of Investigative Dermatology, 2014, 134, 858-861.	0.7	9
39	A risk-aware architecture for resilient spacecraft operations. , 2015, , .		8
40	The immunomodulatory effects of social isolation in mice are linked to temperature control. Brain, Behavior, and Immunity, 2022, 102, 179-194.	4.1	8
41	Risk-limiting power grid control with an ARMA-based prediction model. , 2013, , .		7
42	Water resistance profile as a marker of skin barrier damage in atopic dermatitis patients. Journal of Dermatological Science, 2016, 81, 126-128.	1.9	6
43	Risk-limiting, market-based power dispatch and pricing. , 2013, , .		4
44	A Zap70â€dependent feedback circuit is essential for efficient selection of CD4 lineage thymocytes. Immunology and Cell Biology, 2015, 93, 406-416.	2.3	4
45	Application of dual Nr4a1-GFP Nr4a3-Tocky reporter mice to study TÂcell receptor signaling by flow cytometry. STAR Protocols, 2021, 2, 100284.	1.2	4
46	Interplay between the skin barrier and immune cells in patients with atopic dermatitis unraveled by means of mathematical modeling. Journal of Allergy and Clinical Immunology, 2017, 139, 1790-1792.	2.9	3
47	A Mixed Analysis of Influencing Factors for Trust in a Risk-Aware Autonomy. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 102-106.	0.3	2
48	FoxP3 partners up. Nature Immunology, 2017, 18, 1181-1183.	14.5	1
49	Ethics should trump science in Fukushima. BMJ: British Medical Journal, 2011, 342, d3853-d3853.	2.3	0
50	Restoring control over autoimmunity by inducing Foxp3. Nature Immunology, 2021, 22, 1080-1082.	14.5	0