

Megumu K Saito

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1827164/publications.pdf>

Version: 2024-02-01

95
papers

3,102
citations

186265

28
h-index

168389

53
g-index

101
all docs

101
docs citations

101
times ranked

4838
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-TNF treatment corrects IFN- γ -dependent proinflammatory signatures in Blau syndrome patient-derived macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 176-188.e7.	2.9	9
2	Induction of Human Natural Killer Cells Under Defined Conditions by Seamless Transition from Maintenance Culture of Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2022, 2463, 47-52.	0.9	0
3	Generation of human induced pluripotent stem cell lines derived from four DiGeorge syndrome patients with 22q11.2 deletion. <i>Stem Cell Research</i> , 2022, 61, 102744.	0.7	3
4	Trapping of CDC42 C-terminal variants in the Golgi drives pyrin inflammasome hyperactivation. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	18
5	Induced Pluripotent Stem Cell-Derived Monocytes/Macrophages in Autoinflammatory Diseases. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	4
6	StemPanTox: A fast and wide-target drug assessment system for tailor-made safety evaluations using personalized iPS cells. <i>IScience</i> , 2022, 25, 104538.	4.1	1
7	Down syndrome-related transient abnormal myelopoiesis is attributed to a specific erythro-megakaryocytic subpopulation with GATA1 mutation. <i>Haematologica</i> , 2021, 106, 635-640.	3.5	10
8	Induced pluripotent stem cells established from a female patient with Xq22 deletion confirm that BEX2 escapes from X-chromosome inactivation. <i>Congenital Anomalies (discontinued)</i> , 2021, 61, 63-67.	0.6	2
9	Pluripotent stem cell-based screening identifies CLDC-907 as an effective compound for restoring the in vitro phenotype of Nakajo-Nishimura syndrome. <i>Stem Cells Translational Medicine</i> , 2021, 10, 455-464.	3.3	6
10	Elucidation of the Pathogenesis of Autoinflammatory Diseases Using iPS Cells. <i>Children</i> , 2021, 8, 94.	1.5	3
11	Pluripotent stem cell model of early hematopoiesis in Down syndrome reveals quantitative effects of short-form GATA1 protein on lineage specification. <i>PLoS ONE</i> , 2021, 16, e0247595.	2.5	7
12	Analysis of disease model iPSCs derived from patients with a novel Fanconi anemia-like IBMFS <i><i>ADH5/ALDH2</i></i> deficiency. <i>Blood</i> , 2021, 137, 2021-2032.	1.4	20
13	Generation of two human induced pluripotent stem cell lines derived from two X-linked adrenoleukodystrophy patients with ABCD1 mutations. <i>Stem Cell Research</i> , 2021, 53, 102337.	0.7	2
14	N-Acetylcysteine prevents amyloid- β secretion in neurons derived from human pluripotent stem cells with trisomy 21. <i>Scientific Reports</i> , 2021, 11, 17377.	3.3	3
15	Induced pluripotent stem cell-derived monocytic cell lines from a NOMID patient serve as a screening platform for modulating NLRP3 inflammasome activity. <i>PLoS ONE</i> , 2020, 15, e0237030.	2.5	12
16	Pluripotent stem cell model of Shwachman-Diamond syndrome reveals apoptotic predisposition of hemoangiogenic progenitors. <i>Scientific Reports</i> , 2020, 10, 14859.	3.3	4
17	Biomimetic aorta-gonad-mesonephros-on-a-chip to study human developmental hematopoiesis. <i>Biomedical Microdevices</i> , 2020, 22, 34.	2.8	6
18	Recapitulating the human segmentation clock with pluripotent stem cells. <i>Nature</i> , 2020, 580, 124-129.	27.8	148

#	ARTICLE	IF	CITATIONS
19	Clinical characteristics and treatment of 50 cases of Blau syndrome in Japan confirmed by genetic analysis of the <i>NOD2</i> mutation. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 1492-1499.	0.9	47
20	Blau Syndrome: NOD2-related systemic autoinflammatory granulomatosis. <i>Giornale Italiano Di Dermatologia E Venereologia</i> , 2020, 155, 537-541.	0.8	8
21	In vitro Neuromuscular Junction Induced from Human Induced Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	3
22	Title is missing!. , 2020, 15, e0237030.		0
23	Title is missing!. , 2020, 15, e0237030.		0
24	Title is missing!. , 2020, 15, e0237030.		0
25	Title is missing!. , 2020, 15, e0237030.		0
26	Genome-wide microhomologies enable precise template-free editing of biologically relevant deletion mutations. <i>Nature Communications</i> , 2019, 10, 4856.	12.8	22
27	Functional evaluation of the pathological significance of MEFV variants using induced pluripotent stem cell-derived macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 1438-1441.e12.	2.9	21
28	Application of induced pluripotent stem cells to primary immunodeficiency diseases. <i>Experimental Hematology</i> , 2019, 71, 43-50.	0.4	9
29	Induced pluripotent stem cells representing Nakajo-Nishimura syndrome. <i>Inflammation and Regeneration</i> , 2019, 39, 11.	3.7	4
30	Hemogenic Endothelium Differentiation from Human Pluripotent Stem Cells in A Feeder- and Xeno-free Defined Condition. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	8
31	Beneficial effect of methotrexate on a child case of Nakajo-Nishimura syndrome. <i>Journal of Dermatology</i> , 2019, 46, e365-e367.	1.2	2
32	Generation of a human induced pluripotent stem cell line, BRCi001-A, derived from a patient with mucopolysaccharidosis type I. <i>Stem Cell Research</i> , 2019, 36, 101406.	0.7	4
33	Verification and rectification of cell type-specific splicing of a Seckel syndrome-associated ATR mutation using iPS cell model. <i>Journal of Human Genetics</i> , 2019, 64, 445-458.	2.3	4
34	Disease Modeling of Hematological and Immunological Disorders Using Induced Pluripotent Stem Cells. <i>Current Human Cell Research and Applications</i> , 2019, , 15-27.	0.1	0
35	Induction of human pluripotent stem cell-derived natural killer cells for immunotherapy under chemically defined conditions. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 1-8.	2.1	21
36	Induced Pluripotent Stem Cells and Their Use in Human Models of Disease and Development. <i>Physiological Reviews</i> , 2019, 99, 79-114.	28.8	230

#	ARTICLE	IF	CITATIONS
37	iPSC-derived functional human neuromuscular junctions model the pathophysiology of neuromuscular diseases. JCI Insight, 2019, 4, .	5.0	50
38	Human AK2 links intracellular bioenergetic redistribution to the fate of hematopoietic progenitors. Biochemical and Biophysical Research Communications, 2018, 497, 719-725.	2.1	15
39	Pluripotent stem cell models of Blau syndrome reveal an IFN- γ -dependent inflammatory response in macrophages. Journal of Allergy and Clinical Immunology, 2018, 141, 339-349.e11.	2.9	44
40	Disease modeling of immunological disorders using induced pluripotent stem cells. Immunological Medicine, 2018, 41, 68-74.	2.6	2
41	Efficient derivation of sympathetic neurons from human pluripotent stem cells with a defined condition. Scientific Reports, 2018, 8, 12865.	3.3	39
42	Pluripotent Stem Cell Model of Nakajo-Nishimura Syndrome Untangles Proinflammatory Pathways Mediated by Oxidative Stress. Stem Cell Reports, 2018, 10, 1835-1850.	4.8	28
43	Lysosomal membrane permeabilization causes secretion of IL-1 β in human vascular smooth muscle cells. Inflammation Research, 2018, 67, 879-889.	4.0	10
44	Rescue of recurrent deep intronic mutation underlying cell type- α -dependent quantitative NEMO deficiency. Journal of Clinical Investigation, 2018, 129, 583-597.	8.2	38
45	NK Cells from Human Pluripotent Stem Cells for Immunotherapy. Blood, 2018, 132, 4955-4955.	1.4	1
46	iPSC-Based Phenomic Screen Revealed an Impact of Uncontrolled NF κ B Activity at the Initiating Stages of AML1-ETO Related Leukemia. Blood, 2018, 132, 3911-3911.	1.4	0
47	Hypoxic adaptation of leukemic cells infiltrating the CNS affords a therapeutic strategy targeting VEGFA. Blood, 2017, 129, 3126-3129.	1.4	23
48	Identification of a High-Frequency Somatic <i>NLR4</i> Mutation as a Cause of Autoinflammation by Pluripotent Cell-Based Phenotype Dissection. Arthritis and Rheumatology, 2017, 69, 447-459.	5.6	106
49	Microarray analyses of otospheres derived from the cochlea in the inner ear identify putative transcription factors that regulate the characteristics of otospheres. PLoS ONE, 2017, 12, e0179901.	2.5	1
50	Mislocalization of syntaxin-1 and impaired neurite growth observed in a human iPSC model for <i>STXB1</i> -related epileptic encephalopathy. Epilepsia, 2016, 57, e81-6.	5.1	37
51	A portable platform for stepwise hematopoiesis from human pluripotent stem cells within PET-reinforced collagen sponges. International Journal of Hematology, 2016, 104, 647-660.	1.6	3
52	Laminin-guided highly efficient endothelial commitment from human pluripotent stem cells. Scientific Reports, 2016, 6, 35680.	3.3	37
53	Establishment of isogenic iPSCs from an individual with SCN1A mutation mosaicism as a model for investigating neurocognitive impairment in Dravet syndrome. Journal of Human Genetics, 2016, 61, 565-569.	2.3	20
54	VEGFA- a New Therapeutic Target in CNS Leukemia. Blood, 2016, 128, 911-911.	1.4	6

#	ARTICLE	IF	CITATIONS
55	Hematological Disorders. , 2016, , 69-81.		0
56	PSC-Derived Hematopoietic System to Elucidate the Cooperation Between Gene Alterations and Cell Lineages in Leukemogenesis. Blood, 2016, 128, 1522-1522.	1.4	0
57	Induction of Natural Killer Cells from Human Pluripotent Stem Cells Under Chemically Defined Condition. Blood, 2016, 128, 1345-1345.	1.4	0
58	Hepatoma-Derived Growth Factor Is a Novel Factor to Promote the Proliferation of Hematopoietic Stem Cells. Blood, 2016, 128, 1471-1471.	1.4	0
59	Pluripotent Cell Models of Fanconi Anemia Identify the Early Pathological Defect in Human Hemoangiogenic Progenitors. Stem Cells Translational Medicine, 2015, 4, 333-338.	3.3	30
60	Modeling the Early Phenotype at the Neuromuscular Junction of Spinal Muscular Atrophy Using Patient-Derived iPSCs. Stem Cell Reports, 2015, 4, 561-568.	4.8	92
61	Enhanced Chondrogenesis of Induced Pluripotent Stem Cells From Patients With Neonatal Onset Multisystem Inflammatory Disease Occurs via the Caspase Independent cAMP/Protein Kinase A/CREB Pathway. Arthritis and Rheumatology, 2015, 67, 302-314.	5.6	34
62	Somatic NLRP3 mosaicism in Muckle-Wells syndrome. A genetic mechanism shared by different phenotypes of cryopyrin-associated periodic syndromes. Annals of the Rheumatic Diseases, 2015, 74, 603-610.	0.9	104
63	Recapitulation of Transient Abnormal Myelopoiesis Using Patient Derived iPSCs. Blood, 2015, 126, 4115-4115.	1.4	0
64	Derivation of Mesenchymal Stromal Cells from Pluripotent Stem Cells through a Neural Crest Lineage using Small Molecule Compounds with Defined Media. PLoS ONE, 2014, 9, e112291.	2.5	137
65	Genetic correction of HAX1 in induced pluripotent stem cells from a patient with severe congenital neutropenia improves defective granulopoiesis. Haematologica, 2014, 99, 19-27.	3.5	51
66	Exploring the Pathogenesis of Down Syndrome-Related Myeloproliferative Disorders Using iPSCs. Blood, 2014, 124, 868-868.	1.4	0
67	Phenomic Screen in Vivo and in Vitro to Explore Novel Pathogenesis of AML1-ETO-Positive Leukemia Using PSC-Derived Hematopoietic Cells. Blood, 2014, 124, 2370-2370.	1.4	6
68	Robust and Highly-Efficient Differentiation of Functional Monocytic Cells from Human Pluripotent Stem Cells under Serum- and Feeder Cell-Free Conditions. PLoS ONE, 2013, 8, e59243.	2.5	114
69	Detection of Base Substitution-Type Somatic Mosaicism of the NLRP3 Gene with >99.9% Statistical Confidence by Massively Parallel Sequencing. DNA Research, 2012, 19, 143-152.	3.4	51
70	Frequent somatic mosaicism of NEMO in T cells of patients with X-linked anhidrotic ectodermal dysplasia with immunodeficiency. Blood, 2012, 119, 5458-5466.	1.4	30
71	Induced pluripotent stem cells from CINCA syndrome patients as a model for dissecting somatic mosaicism and drug discovery. Blood, 2012, 120, 1299-1308.	1.4	61
72	Multiple Reversions of an IL2RG Mutation Restore T cell Function in an X-linked Severe Combined Immunodeficiency Patient. Journal of Clinical Immunology, 2012, 32, 690-697.	3.8	24

#	ARTICLE	IF	CITATIONS
73	Disease-associated iPS cell lines representing hematological and immunological disorders. <i>Inflammation and Regeneration</i> , 2012, 32, 171-177.	3.7	1
74	Disease Modeling and Drug Discovery Using Induced Pluripotent Stem Cells From CINCA Syndrome Patients. <i>Blood</i> , 2012, 120, 4680-4680.	1.4	0
75	Mesodermal Development From Reprogrammed Fanconi Anemia Cells Is Affected by ALDH2 Enzymatic Activity. <i>Blood</i> , 2012, 120, 648-648.	1.4	0
76	A Novel Serum-Free Monolayer Culture for Orderly Hematopoietic Differentiation of Human Pluripotent Cells via Mesodermal Progenitors. <i>PLoS ONE</i> , 2011, 6, e22261.	2.5	105
77	Identification of Hepatic Niche Harboring Human Acute Lymphoblastic Leukemic Cells via the SDF-1/CXCR4 Axis. <i>PLoS ONE</i> , 2011, 6, e27042.	2.5	36
78	High incidence of NLRP3 somatic mosaicism in patients with chronic infantile neurologic, cutaneous, articular syndrome: Results of an international multicenter collaborative study. <i>Arthritis and Rheumatism</i> , 2011, 63, 3625-3632.	6.7	247
79	Autoinflammatory diseases - a new entity of inflammation. <i>Inflammation and Regeneration</i> , 2011, 31, 125-136.	3.7	1
80	Enhanced NF- κ B activation with an inflammasome activator correlates with activity of autoinflammatory disease associated with NLRP3 mutations outside of exon 3: Comment on the article by JÄ©ru et al. <i>Arthritis and Rheumatism</i> , 2010, 62, 3123-3124.	6.7	7
81	The Inflammasome, an Innate Immunity Guardian, Participates in Skin Urticarial Reactions and Contact Hypersensitivity. <i>Allergology International</i> , 2010, 59, 105-113.	3.3	22
82	Establishment of a Novel CNS Infiltrated Xenograft Model through Engraftment of Patient-Derived Acute Lymphoblastic Leukemic Cells Into NOD/SCID/ β c Null Mouse. <i>Blood</i> , 2010, 116, 3248-3248.	1.4	0
83	Mast cells mediate neutrophil recruitment and vascular leakage through the NLRP3 inflammasome in histamine-independent urticaria. <i>Journal of Experimental Medicine</i> , 2009, 206, 1037-1046.	8.5	168
84	Orderly hematopoietic development of induced pluripotent stem cells via Flk-1 ⁺ hemoangiogenic progenitors. <i>Journal of Cellular Physiology</i> , 2009, 221, 367-377.	4.1	41
85	Role of the NOD2 genotype in the clinical phenotype of Blau syndrome and early-onset sarcoidosis. <i>Arthritis and Rheumatism</i> , 2009, 60, 242-250.	6.7	149
86	A Japanese case of familial Mediterranean fever with a MEFV gene mutation. <i>Hokkaido Journal of Medical Science</i> , 2009, 84, 419-22.	0.1	0
87	A CIAS1 mutation in a Japanese girl with familial cold autoinflammatory syndrome. <i>European Journal of Pediatrics</i> , 2008, 167, 245-247.	2.7	1
88	Disease-associated CIAS1 mutations induce monocyte death, revealing low-level mosaicism in mutation-negative cryopyrin-associated periodic syndrome patients. <i>Blood</i> , 2008, 111, 2132-2141.	1.4	134
89	Disease-associated mutations in CIAS1 induce cathepsin B-dependent rapid cell death of human THP-1 monocytic cells. <i>Blood</i> , 2007, 109, 2903-2911.	1.4	97
90	A novel variant fibrinogen, deletion of B ² 111Ser in coiled-coil region, affecting fibrin lateral aggregation. <i>Clinica Chimica Acta</i> , 2006, 365, 160-167.	1.1	24

#	ARTICLE	IF	CITATIONS
91	Infantile hepatic dysfunction improved by elimination of cows' milk formulas. <i>Pediatric Allergy and Immunology</i> , 2005, 16, 445-448.	2.6	11
92	Somatic mosaicism of CIAS1 in a patient with chronic infantile neurologic, cutaneous, articular syndrome. <i>Arthritis and Rheumatism</i> , 2005, 52, 3579-3585.	6.7	125
93	SPINK5 polymorphism is associated with disease severity and food allergy in children with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 115, 636-638.	2.9	81
94	Japanese Cedar-Pollen-Specific IL-5 Production in Infants with Atopic Dermatitis. <i>International Archives of Allergy and Immunology</i> , 2004, 135, 343-347.	2.1	6
95	Potential Benefits of TNF Targeting Therapy in Blau Syndrome, a NOD2-Associated Systemic Autoinflammatory Granulomatosis. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	10