Akira Maeda

List of Publications by Year
in descending order

100 papers	2,604 citations	218677 26 h-index	197818 49 g-index
103 all docs	103 docs citations	103 times ranked	2715 citing authors

#	Article	IF	Citations
1	Intravenous Infusion of Syngeneic Apoptotic Cells by Photopheresis Induces Antigen-Specific Regulatory T Cells. Journal of Immunology, 2005, 174, 5968-5976.	0.8	216
2	Ultraviolet Radiation-Induced Regulatory T Cells Not Only Inhibit the Induction but Can Suppress the Effector Phase of Contact Hypersensitivity. Journal of Immunology, 2004, 172, 1036-1043.	0.8	188
3	Prevention of UV radiationâ€“induced immunosuppression by IL-12 is dependent on DNA repair. Journal of Experimental Medicine, 2005, 201, 173-179.	8.5	187
4	Langerhans Cells Are Required for UVR-Induced Immunosuppression. Journal of Investigative Dermatology, 2010, 130, 1419-1427.	0.7	123
5	Cardiomyocytes Derived from MHC-Homozygous Induced Pluripotent Stem Cells Exhibit Reduced Allogeneic Immunogenicity in MHC-Matched Non-human Primates. Stem Cell Reports, 2016, 6, 312-320.	4.8	115
6	Low molecular weight dextran sulfate prevents the instant blood-mediated inflammatory reaction induced by adult porcine islets. Transplantation, 2004, 77, 741-747.	1.0	99
7	Green Tea Phenol Extracts Reduce UVB-induced DNA Damage in Human Cells via Interleukin-12. Photochemistry and Photobiology, 2008, 84, 350-355.	2.5	93
8	Molecular Basis of Tobacco Smoke-Induced Premature Skin Aging. Journal of Investigative Dermatology Symposium Proceedings, 2009, 14, 53-55.	0.8	93
9	Experimental Extracorporeal Photopheresis Inhibits the Sensitization and Effector Phases of Contact Hypersensitivity via Two Mechanisms: Generation of IL-10 and Induction of Regulatory T Cells. Journal of Immunology, 2008, 181, 5956-5962.	0.8	83
10	Involvement of Dectin-2 in Ultraviolet Radiation-Induced Tolerance. Journal of Immunology, 2003, 171, 3801-3807.	0.8	81
11	Serum IL-22 correlates with psoriatic severity and serum IL-6 correlates with susceptibility to phototherapy. Journal of Dermatological Science, 2010, 58, 225-227.	1.9	77
12	Phenotypic and Functional Characterization of Ultraviolet Radiation-Induced Regulatory T Cells. Journal of Immunology, 2008, 180, 3065-3071.	0.8	76
13	Effect and Mechanism of a New Photodynamic Therapy with Glycoconjugated Fullerene. Photochemistry and Photobiology, 2010, 86, 1356-1363.	2.5	63
14	The suppression of inflammatory macrophage-mediated cytotoxicity and proinflammatory cytokine production by transgenic expression of HLA-E. Transplant Immunology, 2013, 29, 76-81.	1.2	59
15	Infrared Radiation Confers Resistance to UV-Induced Apoptosis Via Reduction of DNA Damage and Upregulation of Antiapoptotic Proteins. Journal of Investigative Dermatology, 2009, 129, 1271-1279.	0.7	56
16	IL-18 Reduces Ultraviolet Radiation-Induced DNA Damage and Thereby Affects Photoimmunosuppression. Journal of Immunology, 2006, 176, 2896-2901.	0.8	55
17	Regulation of Skin Pigmentation and Thickness by Dickkopf 1 (DKK1). Journal of Investigative Dermatology Symposium Proceedings, 2009, 14, 73-75.	0.8	53
18	Enhanced Photocarcinogenesis in Interleukin-12â€“Deficient Mice. Cancer Research, 2006, 66, 2962-2969.	0.9	46

#	Article	IF	Citations
19	Alteration of the Migratory Behavior of UV-Induced Regulatory T Cells by Tissue-Specific Dendritic Cells. Journal of Immunology, 2007, 178, 877-886.	0.8	44
20	Suppression of human macrophage-mediated cytotoxicity by transgenic swine endothelial cell expression of HLA-G. Transplant Immunology, 2015, 32, 109-115.	1.2	42
21	Generation of Î±1,3-galactosyltransferase and cytidine monophospho-<i>N</i>-acetylneuraminic acid hydroxylase gene double-knockout pigs. Journal of Reproduction and Development, 2015, 61, 449-457.	1.4	41
22	Bath-PUVA therapy induces circulating regulatory T cells in patients with psoriasis. Journal of Dermatological Science, 2009, 53, 231-233.	1.9	37
23	Narrowband ultraviolet B radiation suppresses contact hypersensitivity. Photodermatology Photoimmunology and Photomedicine, 2008, 24, 32-37.	1.5	35
24	Depression of Complement Regulatory Factors in Rat and Human Renal Grafts Is Associated with the Progress of Acute T-Cell Mediated Rejection. PLoS ONE, 2016, 11, e0148881.	2.5	29
25	IL-23 Antagonizes UVR-Induced Immunosuppression through Two Mechanisms: Reduction of UVR-Induced DNA Damage and Inhibition of UVR-Induced Regulatory T Cells. Journal of Investigative Dermatology, 2010, 130, 554-562.	0.7	28
26	Infrared radiation does not enhance the frequency of ultraviolet radiation-induced skin tumors, but their growth behaviour in mice. Experimental Dermatology, 2011, 20, 346-350.	2.9	26
27	Inhibition of Growth of Melanoma Cells by CD95 (Fas/APO-1) Gene Transfer In Vivo. Journal of Investigative Dermatology, 2000, 115, 1008-1014.	0.7	24
28	A New Murine Model of Islet Xenograft Rejection: Graft Destruction Is Dependent on a Major Histocompatibility-Specific Interaction Between T-Cells and Macrophages. Diabetes, 2003, 52, 1111-1118.	0.6	22
29	The Herbal Medicine Compound Falcarindiol from Notopterygii Rhizoma Suppresses Dendritic Cell Maturation. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 954-960.	2.5	21
30	Structural Changes in N-Glycans on Induced Pluripotent Stem Cells Differentiating Toward Cardiomyocytes. Stem Cells Translational Medicine, 2015, 4, 1258-1264.	3.3	20
31	Human CD200 suppresses macrophage-mediated xenogeneic cytotoxicity and phagocytosis. Surgery Today, 2018, 48, 119-126.	1.5	20
32	Overactivation of IL-4-induced activator protein-1 in atopic dermatitis. Journal of Dermatological Science, 2002, 28, 227-233.	1.9	19
33	Extracorporeal photochemotherapy. Journal of Dermatological Science, 2009, 54, 150-156.	1.9	18
34	Efficacy of 1-mm minigrafts in treating vitiligo depends on patient age, disease site and vitiligo subtype. Journal of Dermatology, 2011, 38, 1140-1145.	1.2	18
35	Human TIGIT on porcine aortic endothelial cells suppresses xenogeneic macrophage-mediated cytotoxicity. Immunobiology, 2019, 224, 605-613.	1.9	17
36	No transmission of porcine endogenous retrovirus after transplantation of adult porcine islets into diabetic nude mice and immunosuppressed rats. Xenotransplantation, 2004, 11, 340-346.	2.8	16

#	Article	IF	Citations
37	The development of a filter to enhance the efficacy and safety of excimer light (308â€ƒnm) therapy. Photodermatology Photoimmunology and Photomedicine, 2009, 25, 30-36.	1.5	16
38	Monocytic MDSCs regulate macrophage-mediated xenogenic cytotoxicity. Transplant Immunology, 2015, 33, 140-145.	1.2	16
39	Human CD31 on porcine cells suppress xenogeneic neutrophilâ€mediated cytotoxicity via the inhibition of ‹scp›NET‹/scp›osis. Xenotransplantation, 2018, 25, e12396.	2.8	16
40	A comparison of the main structures of N-glycans of porcine islets with those from humans. Glycobiology, 2014, 24, 125-138.	2.5	15
41	A membrane-type surfactant protein D (SP-D) suppresses macrophage-mediated cytotoxicity in swine endothelial cells. Transplant Immunology, 2018, 47, 44-48.	1.2	15
42	Photodynamic therapy with glycoconjugated chlorin photosensitizer. Journal of Porphyrins and Phthalocyanines, 2013, 17, 331-342.	0.8	14
43	N-Glycans: Phenotypic Homology and Structural Differences between Myocardial Cells and Induced Pluripotent Stem Cell-Derived Cardiomyocytes. PLoS ONE, 2014, 9, e111064.	2.5	14
44	The Innate Cellular Immune Response in Xenotransplantation. Frontiers in Immunology, 2022, 13, 858604.	4.8	14
45	Establishment of suction blister roof grafting by injection of local anesthesia beneath the epidermis: Less painful and more rapid formation of blisters. Journal of Dermatological Science, 2008, 50, 243-247.	1.9	13
46	Feasibility and accuracy of a newly developed handâ€held device with a flatâ€type fluorescent lamp for measuring the minimal erythema dose for narrowâ€band UVB therapy. Photodermatology Photoimmunology and Photomedicine, 2009, 25, 41-44.	1.5	12
47	Bikunin, a Serine Protease Inhibitor, is Present on the Cell Boundary of Epidermis. Journal of Investigative Dermatology, 1999, 113, 182-188.	0.7	11
48	Regulation of Macrophage-Mediated Xenocytotoxicity by Overexpression of Alpha-2,6-sialyltransferase in Swine Endothelial Cells. Transplantation Proceedings, 2014, 46, 1256-1258.	0.6	11
49	A Strategy for Suppressing Macrophage-mediated Rejection in Xenotransplantation. Transplantation, 2020, 104, 675-681.	1.0	11
50	Recent Developments in Phototherapy: Treatment Methods and Devices. Recent Patents on Inflammation and Allergy Drug Discovery, 2008, 2, 105-108.	3.6	11
51	NADPH:Quinone Oxidoreductase-1 as a New Regulatory Enzyme That Increases Melanin Synthesis. Journal of Investigative Dermatology, 2010, 130, 645-647.	0.7	10
52	A lectin microarray study of glycoantigens in neonatal porcine islet-like cell clusters. Journal of Surgical Research, 2013, 183, 412-418.	1.6	10
53	Monocytic suppressor cells derived from human peripheral blood suppress xenogenic immune reactions. Xenotransplantation, 2014, 21, 46-56.	2.8	10
54	Drug eruption induced by cefcapene pivoxil hydrochloride. Contact Dermatitis, 2001, 44, 197-197.	1.4	9

#	Article	IF	Citations
55	Ex vivo and systemic transfer of adenovirus-mediated CTLA4Ig gene combined with a short course of FK506 therapy prolongs islet graft survival. Transplant Immunology, 2003, 11, 91-100.	1.2	9
56	The effect of a novel immunosuppressive drug, a PAK-2 inhibitor, on macrophage differentiation/polarization in a rat small intestinal transplantation model. Transplant Immunology, 2019, 57, 101246.	1.2	9
57	UVB wavelength dependency of antimicrobial peptide induction for innate immunity in normal human keratinocytes. Journal of Dermatological Science, 2009, 56, 214-216.	1.9	8
58	Epithelioid sarcoma on the foot masquerading as an intractable wound for >â€ƒ18â€ƒyears. Clinical and Experimental Dermatology, 2010, 35, 263-268.	1.3	8
59	A lectin array analysis for wild-type and Î±-Gal-knockout pig islets versus healthy human islets. Surgery Today, 2013, 43, 1439-1447.	1.5	8
60	Aspects of the Complement System in New Era of Xenotransplantation. Frontiers in Immunology, 2022, 13, 860165.	4.8	8
61	HLA-G1, but Not HLA-G3, Suppresses Human Monocyte/Macrophage-mediated Swine Endothelial Cell Lysis. Transplantation Proceedings, 2016, 48, 1285-1287.	0.6	7
62	The novel immunosuppressant prenylated quinolinecarboxylic acid-18 (PQA-18) suppresses macrophage differentiation and cytotoxicity in xenotransplantation. Immunobiology, 2019, 224, 575-584.	1.9	7
63	Quantitative analysis of bikunin-laden mast cells in follicular eruptions and chronic skin lesions of atopic dermatitis. Archives of Dermatological Research, 2002, 294, 387-392.	1.9	6
64	Terfenadine Antagonism Against Interleukin-4-Modulated Gene Expression of T Cell Cytokines. Journal of Investigative Dermatology, 2003, 121, 490-495.	0.7	6
65	The presence of tryptase-positive and bikunin-negative mast cells in psoriatic skin lesions. Archives of Dermatological Research, 2007, 298, 421-426.	1.9	6
66	The Efficacy of CD40 Ligand Blockade in Discordant Pig-to-Rat Islet Xenotransplantation Is Correlated with an Immunosuppressive Effect of Immunoglobulin. Transplantation, 2005, 79, 157-164.	1.0	5
67	Elevation of microRNA-214 is associated with progression of liver fibrosis in patients with biliary atresia. Pediatric Surgery International, 2022, 38, 115-122.	1.4	5
68	Immunological Characteristics of Pancreas Transplantation: Review and Our Experimental Experience. Pancreas, 2003, 27, 31-37.	1.1	4
69	Monocytic Suppressor Cells Derived From Peripheral Blood Suppress Xenogenic Natural Killer Cell Lysis. Transplantation Proceedings, 2014, 46, 1254-1255.	0.6	4
70	A structural analysis of N-glycans of neonatal porcine islet-like cell clusters (NPCC). Transplant Immunology, 2014, 31, 48-53.	1.2	4
71	Studies of Pig Complement: Measurement of Pig CH50, ACH50, and Components. Transplantation Proceedings, 2016, 48, 1282-1284.	0.6	4
72	Chronic actinic dermatitis: a case report and immunohistological analysis in its early phase. Photodermatology Photoimmunology and Photomedicine, 2002, 18, 160-161.	1.5	3

#	Article	IF	Citations
73	Studies of innate immune systems against human cells. Transplant Immunology, 2017, 40, 66-71.	1.2	3
74	Effect of a C5a receptor antagonist on macrophage function in an intestinal transplant rat model. Transplant Immunology, 2022, 72, 101559.	1.2	3
75	A Case of Acral Lentginous Melanoma: The Correlation between CD95L Expression on Melanoma Cells and Apoptosis of Tumor Infiltrating Lymphocytes. Journal of Dermatology, 2001, 28, 499-504.	1.2	2
76	Primary Localized Cutaneous Amyloidosis in Association with Papillary Thyroid Carcinoma. Journal of Cutaneous Medicine and Surgery, 2002, 6, 332-334.	1.2	2
77	Supplemental Analysis for N-linked Sugars in Adult Pig Islets. Transplantation Proceedings, 2016, 48, 1302-1303.	0.6	2
78	Expression of a Synthetic Gene of CTDM by Transgenic Animals. Transplantation Proceedings, 2016, 48, 1279-1281.	0.6	2
79	Human HLA-Ev (147) Expression in Transgenic Animals. Transplantation Proceedings, 2016, 48, 1323-1325.	0.6	2
80	Human CD31 on Swine Endothelial Cells Induces SHP-1 Phosphorylation in Macrophages. Transplantation Proceedings, 2020, 52, 1913-1915.	0.6	2
81	The Regulation of Neutrophil Extracellular Trapâ€“induced Tissue Damage by Human CD177. Transplantation Direct, 2021, 7, e734.	1.6	2
82	Suppression of macrophage-mediated xenogeneic rejection by the ectopic expression of human CD177. Transplant Immunology, 2022, 74, 101663.	1.2	2
83	Reactions to Porcine Cells With or Without Î²4GalNT2. Transplantation Proceedings, 2020, 52, 1916-1918.	0.6	1
84	Human CD200 Suppresses the HL-60 Mediated Xenocytotoxicity. Transplantation Proceedings, 2020, 52, 1910-1912.	0.6	1
85	Expression of complement regulatory factors in the rat renal grafts is associated with the progress of acute T-cell mediated rejection. Immunobiology, 2016, 221, 1188.	1.9	0
86	Knockout of Cytidine Monophospho-N-Acetylneuraminic Acid (CMP-NeuAc) Hydroxylase From Porcine Endothelial Cells by a CRISPR System. Transplantation Proceedings, 2016, 48, 1320-1322.	0.6	0
87	Introductory Chapter: The State of Xenotransplantation. , 0, , .		0
88	Cover Image, Volume 25, Issue 5. Xenotransplantation, 2018, 25, e12462.	2.8	0
89	PQA-18, a Novel Immunosuppressant, Suppresses Macrophage Differentiation and Macrophage-Mediated Xenogeneic Cytotoxicity. Transplantation, 2018, 102, S739.	1.0	0
90	Human CD31 Suppress Macrophage-Mediated Xenogeneic Rejection. Transplantation, 2018, 102, S739.	1.0	0

#	Article	IF	Citations
91	Immunological Response of Pigs to Human Cells, Including Issues Such as the Production of Natural Antibodies in Newborns. Transplantation Proceedings, 2018, 50, 2839-2841.	0.6	0
92	P3.28: The effect of a novel immunosuppressive drug, PQA-18, in rat small intestinal transplantation. Transplantation, 2019, 103, S120-S120.	1.0	0
93	Efficacy of Maxacalcitol Lotion in Place of Other Topically Applied Lotions for Psoriasis Vulgaris of the Scalp. Nishinihon Journal of Dermatology, 2010, 72, 397-404.	0.0	0
94	Glycoprotein Alpha 1,3-Galactosyltransferase 1, Pseudogene (GGTA1P). , 2014, , 109-120.		0
95	Glycoantigen and Xenotransplantation. , 2015, , 1483-1491.		0
96	A study of the mechanisms responsible for the action of new immunosuppressants and their effects on rat small intestinal transplantation. Transplant Immunology, 2022, 70, 101497.	1.2	0
97	THE EFFECT OF A PAK-2 INHIBITOR ON MACROPHAGE DIFFERENTIATION/POLARIZATION IN A RAT SMALL INTESTINAL TRANSPLANTATION MODEL. Transplantation, 2020, 104, S146-S146.	1.0	0
98	CD177 ON SWINE CELLS SUPPRESSES XENOGENEIC MACROPHAGE-MEDIATED CYTOTOXICITY. Transplantation, 2020, 104, S642-S642.	1.0	0
99	Study of the CRISPR/Cas3 System for Xenotransplantation. Transplantation Proceedings, 2022, 54, 522-524.	0.6	0
100	Efficacy of a 365â€‰nm Ultraviolet A1 light Emitting Diode (UVA1â€ŁED) in inÂvitro Extracorporeal Photopheresis. Photochemistry and Photobiology, 2022, 98, 1229-1235.	2.5	0