Yasuyuki Imai

List of Publications by Year
in descending order

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91 papers	2,543 citations	279798 23 h-index	206112 48 g-index
91 all docs	91 docs citations	91 times ranked	2290 citing authors

#	Article	IF	Citations
1	Plant-derived secretory component gives protease-resistance to Shiga toxin 1-specific dimeric IgA. Plant Molecular Biology, 2021, 106, 297-308.	3.9	1
2	The role of Piper chaba Hunt. and its pure compound, piperine, on TRPV1 activation and adjuvant effect. BMC Complementary Medicine and Therapies, 2020, 20, 134.	2.7	7
3	Enhancement of mouse contact hypersensitivity appears with a short chain triacylglycerol but not with a long chain one. Toxicology, 2019, 412, 48-54.	4.2	3
4	Lettuce-derived secretory IgA specifically neutralizes the Shiga toxin 1 activity. Planta, 2019, 250, 1255-1264.	3.2	7
5	Plant-derived secretory component forms secretory IgA with shiga toxin 1-specific dimeric IgA produced by mouse cells and whole plants. Plant Cell Reports, 2019, 38, 161-172.	5.6	4
6	Adjuvant effect of short chain triacylglycerol tributyrin on a mouse contact hypersensitivity model. Toxicology Letters, 2018, 284, 56-62.	0.8	7
7	An Aliphatic Ester Diisopropyl Sebacate Exhibited an Adjuvant Effect on Fluorescein Isothiocyanate-Induced Contact Hypersensitivity Mouse Models. Biological and Pharmaceutical Bulletin, 2018, 41, 147-150.	1.4	4
8	Skin Sensitization to Fluorescein Isothiocyanate Is Enhanced by Butyl Paraben in a Mouse Model. Biological and Pharmaceutical Bulletin, 2018, 41, 1853-1858.	1.4	6
9	Protection of Human Colon Cells from Shiga Toxin by Plant-based Recombinant Secretory IgA. Scientific Reports, 2017, 7, 45843.	3.3	18
10	Dibutyl Phthalate Rather than Monobutyl Phthalate Facilitates Contact Hypersensitivity to Fluorescein Isothiocyanate in a Mouse Model. Biological and Pharmaceutical Bulletin, 2017, 40, 2010-2013.	1.4	8
11	Dibutyl Maleate and Dibutyl Fumarate Enhance Contact Sensitization to Fluorescein Isothiocyanate in Mice. Biological and Pharmaceutical Bulletin, 2016, 39, 272-277.	1.4	8
12	Lack of Impact of High Dietary Vitamin A on T Helper 2-Dependent Contact Hypersensitivity to Fluorescein Isothiocyanate in Mice. Biological and Pharmaceutical Bulletin, 2015, 38, 1827-1830.	1.4	0
13	Adjuvant Effect of an Alternative Plasticizer, Diisopropyl Adipate, on a Contact Hypersensitivity Mouse Model: Link with Sensory Ion Channel TRPA1 Activation. Biological and Pharmaceutical Bulletin, 2015, 38, 1054-1062.	1.4	11
14	Recombinant Immunoglobulin A Specific for Influenza A Virus Hemagglutinin: Production, Functional Analysis, and Formation of Secretory Immunoglobulin A. Viral Immunology, 2015, 28, 170-178.	1.3	4
15	Autophagy Protects against Colitis by the Maintenance of Normal Gut Microflora and Secretion of Mucus. Journal of Biological Chemistry, 2015, 290, 20511-20526.	3.4	85
16	Novel Antibodies Reactive with Sialyl Lewis X in Both Humans and Mice Define Its Critical Role in Leukocyte Trafficking and Contact Hypersensitivity Responses. Journal of Biological Chemistry, 2015, 290, 15313-15326.	3.4	20
17	Shiga toxin-induced apoptosis is more efficiently inhibited by dimeric recombinant hybrid-IgG/IgA immunoglobulins than by the parental IgG monoclonal antibodies. Virulence, 2014, 5, 819-824.	4.4	3
18	Stable Expression and Characterization of Monomeric and Dimeric Recombinant Hybrid-IgG/IgA Immunoglobulins Specific for Shiga Toxin. Biological and Pharmaceutical Bulletin, 2014, 37, 1510-1515.	1.4	6

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19	Lack of transient receptor potential melastatin 8 activation by phthalate esters that enhance contact hypersensitivity in mice. Toxicology Letters, 2013, 217, 192-196.	0.8	8
20	Role of High Endothelial Venuleâ€“Expressed Heparan Sulfate in Chemokine Presentation and Lymphocyte Homing. Journal of Immunology, 2013, 191, 448-455.	0.8	26
21	Production of Hybrid-IgG/IgA Plantibodies with Neutralizing Activity against Shiga Toxin 1. PLoS ONE, 2013, 8, e80712.	2.5	16
22	High Dose Dietary Pyridoxine Induces T-Helper Type 1 Polarization and Decreases Contact Hypersensitivity Response to Fluorescein Isothiocyanate in Mice. Biological and Pharmaceutical Bulletin, 2012, 35, 532-538.	1.4	9
23	Phagocytic Entry of Legionella pneumophila into Macrophages through Phosphatidylinositol 3,4,5-Trisphosphate-Independent Pathway. Biological and Pharmaceutical Bulletin, 2012, 35, 1460-1468.	1.4	9
24	Transient receptor potential ankyrin 1 activation enhances hapten sensitization in a T-helper type 2-driven fluorescein isothiocyanate-induced contact hypersensitivity mouse model. Toxicology and Applied Pharmacology, 2012, 264, 370-376.	2.8	24
25	Regulatory Effect of Cannabinoid Receptor Agonist on Chemokine-Induced Lymphocyte Chemotaxis. Biological and Pharmaceutical Bulletin, 2011, 34, 1090-1093.	1.4	7
26	Essential role of peripheral node addressin in lymphocyte homing to nasal-associated lymphoid tissues and allergic immune responses. Journal of Experimental Medicine, 2011, 208, 1015-1025.	8.5	30
27	Regulatory Effect of Lysophosphatidic Acid on Lymphocyte Migration. Biological and Pharmaceutical Bulletin, 2010, 33, 204-208.	1.4	5
28	Proteomic Analysis of Growth Phase-Dependent Expression of Legionella pneumophila Proteins Which Involves Regulation of Bacterial Virulence Traits. PLoS ONE, 2010, 5, e11718.	2.5	16
29	Sulfation of Colonic Mucins by N-Acetylglucosamine 6-O-Sulfotransferase-2 and Its Protective Function in Experimental Colitis in Mice. Journal of Biological Chemistry, 2010, 285, 6750-6760.	3.4	80
30	Novel Anti-carbohydrate Antibodies Reveal the Cooperative Function of Sulfated N- and O-Glycans in Lymphocyte Homing. Journal of Biological Chemistry, 2010, 285, 40864-40878.	3.4	53
31	Di-(2-ethylhexyl) phthalate enhances skin sensitization to isocyanate haptens in mice. Toxicology Letters, 2010, 192, 97-100.	0.8	14
32	Phthalate esters reveal skin-sensitizing activity of phenethyl isothiocyanate in mice. Food and Chemical Toxicology, 2010, 48, 1704-1708.	3.6	17
33	TRPA1 and TRPV1 activation is a novel adjuvant effect mechanism in contact hypersensitivity. Journal of Neuroimmunology, 2009, 207, 66-74.	2.3	32
34	Shiga Toxin Kills Epithelial Cells Isolated from Distal but not Proximal Part of Mouse Colon. Biological and Pharmaceutical Bulletin, 2009, 32, 1614-1617.	1.4	12
35	Elevated production of Legionella-specific immunoglobulin A in A/J mice is accompanied by T-helper 1-type polarization. Immunology Letters, 2008, 121, 123-126.	2.5	2
36	Exclusion of Actin-Binding Protein p57/Coronin-1 from Bacteria-Containing Phagosomes in Macrophages Infected with Legionella. Biological and Pharmaceutical Bulletin, 2008, 31, 861-865.	1.4	5

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37	Induction of Preferential Chemotaxis of Unstimulated Bâ€Lymphocytes by 2â€Arachidonoylglycerol in Immunized Mice. Microbiology and Immunology, 2007, 51, 1013-1019.	1.4	32
38	Effects of Phthalate Esters on Dendritic Cell Subsets and Interleukinâ€4 Production in Fluorescein Isothiocyanateâ€Induced Contact Hypersensitivity. Microbiology and Immunology, 2007, 51, 321-326.	1.4	24
39	Evasion of Legionella pneumophila from the Bactericidal System by Reactive Oxygen Species (ROS) in Macrophages. Microbiology and Immunology, 2007, 51, 1161-1170.	1.4	27
40	Production and Characterization of IgA Monoclonal Antibody Against Ovalbumin. Hybridoma, 2007, 26, 328-332.	0.4	5
41	Influence of Local Treatments with Capsaicin or Allyl Isothiocyanate in the Sensitization Phase of a Fluorescein-Isothiocyanate-Induced Contact Sensitivity Model. International Archives of Allergy and Immunology, 2007, 143, 144-154.	2.1	25
42	Differences in protein synthesis between wild type and intracellular growth-deficient strains of Legionella pneumophila in U937 and Acanthamoeba polyphaga. Microbial Pathogenesis, 2006, 40, 161-170.	2.9	2
43	Effects of phthalate esters on the sensitization phase of contact hypersensitivity induced by fluorescein isothiocyanate. Clinical and Experimental Allergy, 2006, 36, 1462-1468.	2.9	50
44	First Record of Leptospira borgpetersenii Isolation in the Amami Islands, Japan. Microbiology and Immunology, 2006, 50, 429-434.	1.4	13
45	Lack of antigen-specific tissue remodeling in mice deficient in the macrophage galactose-type calcium-type lectin 1/CD301a. Blood, 2005, 106, 207-215.	1.4	26
46	Production of IgA monoclonal antibody against Shiga toxin binding subunits employing nasal-associated lymphoid tissue. Journal of Immunological Methods, 2005, 302, 125-135.	1.4	16
47	Redistributions of macrophages expressing the macrophage galactose-type C-type lectin (MGL) during antigen-induced chronic granulation tissue formation. International Immunology, 2005, 17, 559-568.	4.0	12
48	Facilitated Production of Secretory IgA against Shiga Toxin B Subunits by Intranasal Application of Antigenâ€Coated Polystyrene Microspheres. Microbiology and Immunology, 2005, 49, 149-154.	1.4	4
49	Characterization of Legionella pneumophila pmiA, a Gene Essential for Infectivity of Protozoa and Macrophages. Infection and Immunity, 2005, 73, 6272-6282.	2.2	15
50	Characterization of Borrelia burgdorferi sensu lato isolated in Moscow province â€“ a sympatric region for Ixodes ricinus and Ixodes persulcatus. International Journal of Medical Microbiology, 2005, 294, 455-464.	3.6	21
51	Granulation tissue formation by nonspecific inflammatory agent occurs independently of macrophage galactose-type C-type lectin-1. Clinical Immunology, 2005, 115, 47-50.	3.2	8
52	New genomospecies related to Borrelia valaisiana, isolated from mammals in Okinawa archipelago, Japan. Journal of Medical Microbiology, 2004, 53, 421-426.	1.8	22
53	Production of Secretory Immunoglobulin A against Shiga Toxin-Binding Subunits in Mice by Mucosal Immunization. Infection and Immunity, 2004, 72, 889-895.	2.2	16
54	Borrelia turcica sp. nov., isolated from the hard tick Hyalomma aegyptium in Turkey. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1649-1652.	1.7	77

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55	First isolation and characterization of Borrelia burgdorferi sensu lato strains from Ixodes ricinus ticks in Turkey. Journal of Medical Microbiology, 2003, 52, 807-813.	1.8	63
56	Restricted Expression of Shiga Toxin Binding Sites on Mucosal Epithelium of Mouse Distal Colon. Infection and Immunity, 2003, 71, 985-990.	2.2	15
57	A novel, fast-growing Borrelia sp. isolated from the hard tick Hyalomma aegyptium in Turkey. Microbiology (United Kingdom), 2003, 149, 2539-2544.	1.8	34
58	Lack of Shiga-like toxin binding sites in germinal centres of mouse lymphoid tissues. Immunology, 2002, 105, 509-514.	4.4	13
59	Negative Incidence of Lyme Diseaseâ€Related Borrelia Spp. in Alishan, Taiwan. Microbiology and Immunology, 2001, 45, 387-391.	1.4	2
60	Demonstration of the pH Sensitive Binding of Multivalent Carbohydrate Ligands to Immobilized Shiga-Like Toxin 1 B Subunits. Journal of Biochemistry, 2001, 130, 665-670.	1.7	8
61	Characterization and Identification of Borrelia Isolates as Borrelia valaisiana in Taiwan and Kinmen Islands. Microbiology and Immunology, 2000, 44, 1003-1009.	1.4	20
62	Initial steps in lymph node metastasis formation in an experimental system: possible involvement of recognition by macrophage C-type lectins. Cancer Immunology, Immunotherapy, 2000, 49, 1-9.	4.2	31
63	Determination of members of a Borrelia afzelii-related group isolated from Ixodes nipponensis in Korea as Borrelia valaisiana. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1409-1415.	1.7	42
64	Development of recombinant B subunit of Shiga-like toxin 1 as a probe to detect carbohydrate ligands in immunochemical and flowcytometric application. Glycoconjugate Journal, 1999, 16, 697-705.	2.7	18
65	Immunohistochemical study on a macrophage calcium-type lectin in mouse embryos: transient expression in chondroblasts during endochondral ossification. Glycoconjugate Journal, 1998, 15, 397-404.	2.7	6
66	Histochemistry and Cytochemistry of Endogenous Animal Lectins. Progress in Histochemistry and Cytochemistry, 1998, 33, III-90.	5.1	0
67	Direct evidence of nitric oxide production from bovine aortic endothelial cells using new fluorescence indicators: diaminofluoresceins. FEBS Letters, 1998, 427, 263-266.	2.8	354
68	Unique tissue distribution of a mouse macrophage C-type lectin. Glycobiology, 1997, 7, 137-146.	2.5	45
69	Tumor site-selective localization of an adoptively transferred T cell line expressing a macrophage lectin. Journal of Leukocyte Biology, 1997, 62, 761-770.	3.3	19
70	Calcium-dependent Conformation of a Mouse Macrophage Calcium-type Lectin. Journal of Biological Chemistry, 1995, 270, 16056-16062.	3.4	36
71	Quantitative measurement of carbohydrate binding activity of mouse macrophage lectin. Journal of Immunological Methods, 1994, 171, 23-31.	1.4	18
72	Direct demonstration of heterogeneous, sulfatedO-linked carbohydrate chains on an endothelial ligand for L-selectin. Glycoconjugate Journal, 1993, 10, 34-39.	2.7	39

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73	Further characterization of the interaction between L-selectin and its endothelial ligands. Glycobiology, 1992, 2, 373-381.	2.5	77
74	An endothelial ligand for L-Selectin is a novel mucin-like molecule. Cell, 1992, 69, 927-938.	28.9	664
75	L-Selectin: A Lectin-Like Leukocyte Adhesion Protein.. Trends in Glycoscience and Glycotechnology, 1992, 4, 1-13.	0.1	8
76	Surface glycoprotein of human natural killer cells recognized by wheat germ agglutinin. Glycoconjugate Journal, 1992, 9, 198-203.	2.7	2
77	Neurotropin inhibits experimental allergic Encephalomyelitis (EAE) in Lewis rats. International Journal of Immunopharmacology, 1991, 13, 235-243.	1.1	4
78	Anti-tumour efficacy of mouse spleen cells separated with Dolichos biflorus lectin (DBA) in experimental pulmonary metastasis of B16 melanoma cells. British Journal of Cancer, 1990, 61, 241-249.	6.4	7
79	In vivo localization of antitumor lymphocytes separated with Dolichos biflorus lectin. Immunology Letters, 1990, 24, 185-190.	2.5	1
80	Elevation of the activities of glycosyl transferases involved in polylactosaminoglycan biosynthesis in autoimmune MRL lpr/lpr mouse T cells. Molecular Immunology, 1990, 27, 335-342.	2.2	6
81	Immunomodulatory effects of neurotropin through the recovery of interleukin-2 production in autoimmune-prone (NZB/NZW) F1 mice. International Journal of Immunopharmacology, 1989, 11, 663-671.	1.1	7
82	Two Populations of Mouse Lymphokine-activated Killer Cells Separated by Use of Soybean Agglutinin. Japanese Journal of Cancer Research, 1989, 80, 1228-1237.	1.7	3
83	Î±2,3-Linked Sialic Acids Are More Abundant in CD45 Antigens and Leukosialins of Abnormal T Cells of lpr Mice than in Those of Normal T Cells1. Journal of Biochemistry, 1989, 106, 961-965.	1.7	6
84	Functional deficiencies of spleen dendritic cells in autoimmune MRL/lpr mice. Immunology Letters, 1988, 17, 223-228.	2.5	3
85	Effect of an autoreactive T cell clone from (NZB Ã— NZW)F1 mice on the production of anti-DNA antibodies in vivo and in vitro. Immunology Letters, 1988, 18, 281-287.	2.5	4
86	Dendritic Cell Activating Factor Produced by Mouse Macrophage Hybridoma. Microbiology and Immunology, 1988, 32, 1059-1072.	1.4	2
87	Homologous Human Macrophage Hybridomas That Produce a Novel Cytotoxic Factor in Their Culture Supernatants. Microbiology and Immunology, 1988, 32, 97-114.	1.4	2
88	Functional Defects of Cultureâ€Grown Bone Marrowâ€Derived Macrophages from Autoimmune MRL/Mpjâ€lpr/lpr Mice. Microbiology and Immunology, 1987, 31, 155-167.	1.4	5
89	A Factor Potentiating Antibody Formation Spontaneously Produced by Splenic T Cells of MRL/MP-lpr/lpr Mice. International Archives of Allergy and Immunology, 1987, 83, 315-320.	2.1	2
90	Fractionation of mouse cytotoxic T cells by use of lectins. Carbohydrate Research, 1983, 120, 269-281.	2.3	11

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91	The Reactivities of Bauhinia purpurea and Lens culinaris Lectins to Mouse B Lymphocytes and Their Subsets. International Archives of Allergy and Immunology, 1983, 72, 330-335.	2.1	4