

Yasuyuki Imai

List of Publications by Year in descending order

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91
papers

2,543
citations

279798

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91
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91
docs citations

91
times ranked

2290
citing authors

#	ARTICLE	IF	CITATIONS
1	An endothelial ligand for L-Selectin is a novel mucin-like molecule. <i>Cell</i> , 1992, 69, 927-938.	28.9	664
2	Direct evidence of nitric oxide production from bovine aortic endothelial cells using new fluorescence indicators: diaminofluoresceins. <i>FEBS Letters</i> , 1998, 427, 263-266.	2.8	354
3	Autophagy Protects against Colitis by the Maintenance of Normal Gut Microflora and Secretion of Mucus. <i>Journal of Biological Chemistry</i> , 2015, 290, 20511-20526.	3.4	85
4	Sulfation of Colonic Mucins by N-Acetylglucosamine 6-O-Sulfotransferase-2 and Its Protective Function in Experimental Colitis in Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 6750-6760.	3.4	80
5	Further characterization of the interaction between L-selectin and its endothelial ligands. <i>Glycobiology</i> , 1992, 2, 373-381.	2.5	77
6	<i>Borrelia turcica</i> sp. nov., isolated from the hard tick <i>Hyalomma aegyptium</i> in Turkey. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1649-1652.	1.7	77
7	First isolation and characterization of <i>Borrelia burgdorferi</i> sensu lato strains from <i>Ixodes ricinus</i> ticks in Turkey. <i>Journal of Medical Microbiology</i> , 2003, 52, 807-813.	1.8	63
8	Novel Anti-carbohydrate Antibodies Reveal the Cooperative Function of Sulfated N- and O-Glycans in Lymphocyte Homing. <i>Journal of Biological Chemistry</i> , 2010, 285, 40864-40878.	3.4	53
9	Effects of phthalate esters on the sensitization phase of contact hypersensitivity induced by fluorescein isothiocyanate. <i>Clinical and Experimental Allergy</i> , 2006, 36, 1462-1468.	2.9	50
10	Unique tissue distribution of a mouse macrophage C-type lectin. <i>Glycobiology</i> , 1997, 7, 137-146.	2.5	45
11	Determination of members of a <i>Borrelia afzelii</i> -related group isolated from <i>Ixodes nipponensis</i> in Korea as <i>Borrelia valaisiana</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1409-1415.	1.7	42
12	Direct demonstration of heterogeneous, sulfated O-linked carbohydrate chains on an endothelial ligand for L-selectin. <i>Glycoconjugate Journal</i> , 1993, 10, 34-39.	2.7	39
13	Calcium-dependent Conformation of a Mouse Macrophage Calcium-type Lectin. <i>Journal of Biological Chemistry</i> , 1995, 270, 16056-16062.	3.4	36
14	A novel, fast-growing <i>Borrelia</i> sp. isolated from the hard tick <i>Hyalomma aegyptium</i> in Turkey. <i>Microbiology (United Kingdom)</i> , 2003, 149, 2539-2544.	1.8	34
15	Induction of Preferential Chemotaxis of Unstimulated B α Lymphocytes by 2 α Arachidonoylglycerol in Immunized Mice. <i>Microbiology and Immunology</i> , 2007, 51, 1013-1019.	1.4	32
16	TRPA1 and TRPV1 activation is a novel adjuvant effect mechanism in contact hypersensitivity. <i>Journal of Neuroimmunology</i> , 2009, 207, 66-74.	2.3	32
17	Initial steps in lymph node metastasis formation in an experimental system: possible involvement of recognition by macrophage C-type lectins. <i>Cancer Immunology, Immunotherapy</i> , 2000, 49, 1-9.	4.2	31
18	Essential role of peripheral node addressin in lymphocyte homing to nasal-associated lymphoid tissues and allergic immune responses. <i>Journal of Experimental Medicine</i> , 2011, 208, 1015-1025.	8.5	30

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19	Evasion of <i>Legionella pneumophila</i> from the Bactericidal System by Reactive Oxygen Species (ROS) in Macrophages. <i>Microbiology and Immunology</i> , 2007, 51, 1161-1170.	1.4	27
20	Lack of antigen-specific tissue remodeling in mice deficient in the macrophage galactose-type calcium-type lectin 1/CD301a. <i>Blood</i> , 2005, 106, 207-215.	1.4	26
21	Role of High Endothelial Venule-Expressed Heparan Sulfate in Chemokine Presentation and Lymphocyte Homing. <i>Journal of Immunology</i> , 2013, 191, 448-455.	0.8	26
22	Influence of Local Treatments with Capsaicin or Allyl Isothiocyanate in the Sensitization Phase of a Fluorescein-Isothiocyanate-Induced Contact Sensitivity Model. <i>International Archives of Allergy and Immunology</i> , 2007, 143, 144-154.	2.1	25
23	Effects of Phthalate Esters on Dendritic Cell Subsets and Interleukin-4 Production in Fluorescein Isothiocyanate-Induced Contact Hypersensitivity. <i>Microbiology and Immunology</i> , 2007, 51, 321-326.	1.4	24
24	Transient receptor potential ankyrin 1 activation enhances hapten sensitization in a T-helper type 2-driven fluorescein isothiocyanate-induced contact hypersensitivity mouse model. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 370-376.	2.8	24
25	New genomospecies related to <i>Borrelia valaisiana</i> , isolated from mammals in Okinawa archipelago, Japan. <i>Journal of Medical Microbiology</i> , 2004, 53, 421-426.	1.8	22
26	Characterization of <i>Borrelia burgdorferi sensu lato</i> isolated in Moscow province – a sympatric region for <i>Ixodes ricinus</i> and <i>Ixodes persulcatus</i> . <i>International Journal of Medical Microbiology</i> , 2005, 294, 455-464.	3.6	21
27	Characterization and Identification of <i>Borrelia</i> Isolates as <i>Borrelia valaisiana</i> in Taiwan and Kinmen Islands. <i>Microbiology and Immunology</i> , 2000, 44, 1003-1009.	1.4	20
28	Novel Antibodies Reactive with Sialyl Lewis X in Both Humans and Mice Define Its Critical Role in Leukocyte Trafficking and Contact Hypersensitivity Responses. <i>Journal of Biological Chemistry</i> , 2015, 290, 15313-15326.	3.4	20
29	Tumor site-selective localization of an adoptively transferred T cell line expressing a macrophage lectin. <i>Journal of Leukocyte Biology</i> , 1997, 62, 761-770.	3.3	19
30	Quantitative measurement of carbohydrate binding activity of mouse macrophage lectin. <i>Journal of Immunological Methods</i> , 1994, 171, 23-31.	1.4	18
31	Development of recombinant B subunit of Shiga-like toxin 1 as a probe to detect carbohydrate ligands in immunochemical and flowcytometric application. <i>Glycoconjugate Journal</i> , 1999, 16, 697-705.	2.7	18
32	Protection of Human Colon Cells from Shiga Toxin by Plant-based Recombinant Secretory IgA. <i>Scientific Reports</i> , 2017, 7, 45843.	3.3	18
33	Phthalate esters reveal skin-sensitizing activity of phenethyl isothiocyanate in mice. <i>Food and Chemical Toxicology</i> , 2010, 48, 1704-1708.	3.6	17
34	Production of Secretory Immunoglobulin A against Shiga Toxin-Binding Subunits in Mice by Mucosal Immunization. <i>Infection and Immunity</i> , 2004, 72, 889-895.	2.2	16
35	Production of IgA monoclonal antibody against Shiga toxin binding subunits employing nasal-associated lymphoid tissue. <i>Journal of Immunological Methods</i> , 2005, 302, 125-135.	1.4	16
36	Proteomic Analysis of Growth Phase-Dependent Expression of <i>Legionella pneumophila</i> Proteins Which Involves Regulation of Bacterial Virulence Traits. <i>PLoS ONE</i> , 2010, 5, e11718.	2.5	16

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37	Production of Hybrid-IgG/IgA Plantibodies with Neutralizing Activity against Shiga Toxin 1. PLoS ONE, 2013, 8, e80712.	2.5	16
38	Restricted Expression of Shiga Toxin Binding Sites on Mucosal Epithelium of Mouse Distal Colon. Infection and Immunity, 2003, 71, 985-990.	2.2	15
39	Characterization of Legionella pneumophila pmiA, a Gene Essential for Infectivity of Protozoa and Macrophages. Infection and Immunity, 2005, 73, 6272-6282.	2.2	15
40	Di-(2-ethylhexyl) phthalate enhances skin sensitization to isocyanate haptens in mice. Toxicology Letters, 2010, 192, 97-100.	0.8	14
41	Lack of Shiga-like toxin binding sites in germinal centres of mouse lymphoid tissues. Immunology, 2002, 105, 509-514.	4.4	13
42	First Record of <i>Leptospira borgpetersenii</i> Isolation in the Amami Islands, Japan. Microbiology and Immunology, 2006, 50, 429-434.	1.4	13
43	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
44	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
45	Fractionation of mouse cytotoxic T cells by use of lectins. Carbohydrate Research, 1983, 120, 269-281.	2.3	11
46	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
47	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
48	Phagocytic Entry of <i>Legionella pneumophila</i> into Macrophages through Phosphatidylinositol 3,4,5-Trisphosphate-Independent Pathway. Biological and Pharmaceutical Bulletin, 2012, 35, 1460-1468.	1.4	9
49	L-Selectin: A Lectin-Like Leukocyte Adhesion Protein.. Trends in Glycoscience and Glycotechnology, 1992, 4, 1-13.	0.1	8
50	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
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	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
53	Dibutyl Maleate and Dibutyl Fumarate Enhance Contact Sensitization to Fluorescein Isothiocyanate in Mice. Biological and Pharmaceutical Bulletin, 2016, 39, 272-277.	1.4	8
54	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

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55	Immunomodulatory effects of neurotrophin through the recovery of interleukin-2 production in autoimmune-prone (NZB/NZW) F1 mice. <i>International Journal of Immunopharmacology</i> , 1989, 11, 663-671.	1.1	7
56	Anti-tumour efficacy of mouse spleen cells separated with Dolichos biflorus lectin (DBA) in experimental pulmonary metastasis of B16 melanoma cells. <i>British Journal of Cancer</i> , 1990, 61, 241-249.	6.4	7
57	Regulatory Effect of Cannabinoid Receptor Agonist on Chemokine-Induced Lymphocyte Chemotaxis. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1090-1093.	1.4	7
58	Adjuvant effect of short chain triacylglycerol tributyrin on a mouse contact hypersensitivity model. <i>Toxicology Letters</i> , 2018, 284, 56-62.	0.8	7
59	Lettuce-derived secretory IgA specifically neutralizes the Shiga toxin 1 activity. <i>Planta</i> , 2019, 250, 1255-1264.	3.2	7
60	The role of Piper chaba Hunt. and its pure compound, piperine, on TRPV1 activation and adjuvant effect. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 134.	2.7	7
61	±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 Cells. <i>Journal of Biochemistry</i> , 1989, 106, 961-965.	1.7	6
62	Elevation of the activities of glycosyl transferases involved in polylectosaminoglycan biosynthesis in autoimmune MRL lpr/lpr mouse T cells. <i>Molecular Immunology</i> , 1990, 27, 335-342.	2.2	6
63	Immunohistochemical study on a macrophage calcium-type lectin in mouse embryos: transient expression in chondroblasts during endochondral ossification. <i>Glycoconjugate Journal</i> , 1998, 15, 397-404.	2.7	6
64	Stable Expression and Characterization of Monomeric and Dimeric Recombinant Hybrid-IgG/IgA Immunoglobulins Specific for Shiga Toxin. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1510-1515.	1.4	6
65	Skin Sensitization to Fluorescein Isothiocyanate Is Enhanced by Butyl Paraben in a Mouse Model. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1853-1858.	1.4	6
66	Functional Defects of Culture-Grown Bone Marrow-Derived Macrophages from Autoimmune MRL/lpr/lpr Mice. <i>Microbiology and Immunology</i> , 1987, 31, 155-167.	1.4	5
67	Production and Characterization of IgA Monoclonal Antibody Against Ovalbumin. <i>Hybridoma</i> , 2007, 26, 328-332.	0.4	5
68	Exclusion of Actin-Binding Protein p57/Coronin-1 from Bacteria-Containing Phagosomes in Macrophages Infected with Legionella. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 861-865.	1.4	5
69	Regulatory Effect of Lysophosphatidic Acid on Lymphocyte Migration. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 204-208.	1.4	5
70	The Reactivities of <i>Bauhinia purpurea</i> and <i>Lens culinaris</i> Lectins to Mouse B Lymphocytes and Their Subsets. <i>International Archives of Allergy and Immunology</i> , 1983, 72, 330-335.	2.1	4
71	Effect of an autoreactive T cell clone from (NZB × NZW)F1 mice on the production of anti-DNA antibodies in vivo and in vitro. <i>Immunology Letters</i> , 1988, 18, 281-287.	2.5	4
72	Neurotrophin inhibits experimental allergic Encephalomyelitis (EAE) in Lewis rats. <i>International Journal of Immunopharmacology</i> , 1991, 13, 235-243.	1.1	4

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73	Facilitated Production of Secretory IgA against Shiga Toxin B Subunits by Intranasal Application of Antigen- Coated Polystyrene Microspheres. <i>Microbiology and Immunology</i> , 2005, 49, 149-154.	1.4	4
74	Recombinant Immunoglobulin A Specific for Influenza A Virus Hemagglutinin: Production, Functional Analysis, and Formation of Secretory Immunoglobulin A. <i>Viral Immunology</i> , 2015, 28, 170-178.	1.3	4
75	An Aliphatic Ester Diisopropyl Sebacate Exhibited an Adjuvant Effect on Fluorescein Isothiocyanate-Induced Contact Hypersensitivity Mouse Models. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 147-150.	1.4	4
76	Plant-derived secretory component forms secretory IgA with shiga toxin 1-specific dimeric IgA produced by mouse cells and whole plants. <i>Plant Cell Reports</i> , 2019, 38, 161-172.	5.6	4
77	Functional deficiencies of spleen dendritic cells in autoimmune MRL/lpr mice. <i>Immunology Letters</i> , 1988, 17, 223-228.	2.5	3
78	Two Populations of Mouse Lymphokine-activated Killer Cells Separated by Use of Soybean Agglutinin. <i>Japanese Journal of Cancer Research</i> , 1989, 80, 1228-1237.	1.7	3
79	Shiga toxin-induced apoptosis is more efficiently inhibited by dimeric recombinant hybrid-IgG/IgA immunoglobulins than by the parental IgG monoclonal antibodies. <i>Virulence</i> , 2014, 5, 819-824.	4.4	3
80	Enhancement of mouse contact hypersensitivity appears with a short chain triacylglycerol but not with a long chain one. <i>Toxicology</i> , 2019, 412, 48-54.	4.2	3
81	A Factor Potentiating Antibody Formation Spontaneously Produced by Splenic T Cells of MRL/MP-lpr/lpr Mice. <i>International Archives of Allergy and Immunology</i> , 1987, 83, 315-320.	2.1	2
82	Dendritic Cell Activating Factor Produced by Mouse Macrophage Hybridoma. <i>Microbiology and Immunology</i> , 1988, 32, 1059-1072.	1.4	2
83	Homologous Human Macrophage Hybridomas That Produce a Novel Cytotoxic Factor in Their Culture Supernatants. <i>Microbiology and Immunology</i> , 1988, 32, 97-114.	1.4	2
84	Surface glycoprotein of human natural killer cells recognized by wheat germ agglutinin. <i>Glycoconjugate Journal</i> , 1992, 9, 198-203.	2.7	2
85	Negative Incidence of Lyme Disease-Related <i>Borrelia</i> Spp. in Alishan, Taiwan. <i>Microbiology and Immunology</i> , 2001, 45, 387-391.	1.4	2
86	Differences in protein synthesis between wild type and intracellular growth-deficient strains of <i>Legionella pneumophila</i> in U937 and <i>Acanthamoeba polyphaga</i> . <i>Microbial Pathogenesis</i> , 2006, 40, 161-170.	2.9	2
87	Elevated production of <i>Legionella</i> -specific immunoglobulin A in A/J mice is accompanied by T-helper 1-type polarization. <i>Immunology Letters</i> , 2008, 121, 123-126.	2.5	2
88	In vivo localization of antitumor lymphocytes separated with <i>Dolichos biflorus</i> lectin. <i>Immunology Letters</i> , 1990, 24, 185-190.	2.5	1
89	Plant-derived secretory component gives protease-resistance to Shiga toxin 1-specific dimeric IgA. <i>Plant Molecular Biology</i> , 2021, 106, 297-308.	3.9	1
90	Histochemistry and Cytochemistry of Endogenous Animal Lectins. <i>Progress in Histochemistry and Cytochemistry</i> , 1998, 33, III-90.	5.1	0

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91	Lack of Impact of High Dietary Vitamin A on T Helper 2-Dependent Contact Hypersensitivity to Fluorescein Isothiocyanate in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 1827-1830.	1.4	0