

Satoshi Tasumi

List of Publications by Year in descending order

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37
papers

2,019
citations

430874

18
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

2326
citing authors

#	ARTICLE	IF	CITATIONS
1	A Trans-Species Missense SNP in Amhr2 Is Associated with Sex Determination in the Tiger Pufferfish, <i>Takifugu rubripes</i> (Fugu). <i>PLoS Genetics</i> , 2012, 8, e1002798.	3.5	518
2	A Galectin of Unique Domain Organization from Hemocytes of the Eastern Oyster (<i>Crassostrea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Immunology</i> , 2007, 179, 3086-3098.	0.8	212
3	Primary Structure and Characteristics of a Lectin from Skin Mucus of the Japanese Eel <i>Anguilla japonica</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 27305-27311.	3.4	157
4	Molecular diversity of skin mucus lectins in fish. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003, 136, 723-730.	1.6	105
5	High-affinity lamprey VLRA and VLRB monoclonal antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12891-12896.	7.1	104
6	Lectins Homologous to Those of Monocotyledonous Plants in the Skin Mucus and Intestine of Pufferfish, <i>Fugu rubripes</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 20882-20889.	3.4	101
7	Structure of a lamprey variable lymphocyte receptor in complex with a protein antigen. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 725-730.	8.2	100
8	Characteristics and primary structure of a galectin in the skin mucus of the Japanese eel, <i>Anguilla japonica</i> . <i>Developmental and Comparative Immunology</i> , 2004, 28, 325-335.	2.3	91
9	A SNP in a Steroidogenic Enzyme Is Associated with Phenotypic Sex in <i>Seriola</i> Fishes. <i>Current Biology</i> , 2019, 29, 1901-1909.e8.	3.9	79
10	A structural basis for antigen recognition by the T cell-like lymphocytes of sea lamprey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13408-13413.	7.1	66
11	Identification of the sex-determining locus in grass puffer (<i>Takifugu niphobles</i>) provides evidence for sex-chromosome turnover in a subset of <i>Takifugu</i> species. <i>PLoS ONE</i> , 2018, 13, e0190635.	2.5	59
12	Biological Roles of Lectins in Innate Immunity: Molecular and Structural Basis for Diversity in Self/Non-Self Recognition. , 2007, 598, 389-406.		58
13	Structural, functional, and evolutionary aspects of galectins in aquatic mollusks: From a sweet tooth to the Trojan horse. <i>Fish and Shellfish Immunology</i> , 2015, 46, 94-106.	3.6	56
14	Tandem repeat l-rhamnose-binding lectin from the skin mucus of ponyfish, <i>Leiognathus nuchalis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 463-469.	2.1	53
15	Galectin CvGal2 from the Eastern Oyster (<i>Crassostrea virginica</i>) Displays Unique Specificity for ABH Blood Group Oligosaccharides and Differentially Recognizes Sympatric <i>Perkinsus</i> Species. <i>Biochemistry</i> , 2015, 54, 4711-4730.	2.5	38
16	Demonstration of the mucosal lectins in the epithelial cells of internal and external body surface tissues in pufferfish (<i>Fugu rubripes</i>). <i>Developmental and Comparative Immunology</i> , 2005, 29, 243-253.	2.3	35
17	Carbohydrate-binding site of a novel mannose-specific lectin from fugu (<i>Takifugu rubripes</i>) skin mucus. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 143, 514-519.	1.6	23
18	An efficient molecular technique for sexing tiger pufferfish (fugu) and the occurrence of sex reversal in a hatchery population. <i>Fisheries Science</i> , 2014, 80, 933-942.	1.6	21

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19	Yeast Surface Display of Lamprey Variable Lymphocyte Receptors. <i>Methods in Molecular Biology</i> , 2011, 748, 21-33.	0.9	20
20	Complete life cycle of a pennellid <i>Peniculus minuticaudae</i> Shiino, 1956 (Copepoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td 2013, 20, 42.	2.0	19
21	Mucosal IgM Antibody with α -Mannose Affinity in Fugu <i>Takifugu rubripes</i> Is Utilized by a Monogenean Parasite <i>Heterobothrium okamotoi</i> for Host Recognition. <i>Journal of Immunology</i> , 2017, 198, 4107-4114.	0.8	18
22	Repeated translocation of a supergene underlying rapid sex chromosome turnover in <i>Takifugu</i> pufferfish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	16
23	Novel mannose-specific lectins found in torafugu, <i>Takifugu rubripes</i> : A review. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2006, 1, 122-127.	1.0	12
24	Possible role of a skin mucus lectin from fugu <i>Takifugu rubripes</i> in excluding marine bacteria from the body surface. <i>Fisheries Science</i> , 2006, 72, 455-457.	1.6	12
25	Identification and characterization of pufflectin from the grass pufferfish <i>Takifugu niphobles</i> and comparison of its expression with that of <i>Takifugu rubripes</i> . <i>Developmental and Comparative Immunology</i> , 2016, 59, 48-56.	2.3	12
26	Biochemical Characterization of Oyster and Clam Galectins: Selective Recognition of Carbohydrate Ligands on Host Hemocytes and <i>Perkinsus</i> Parasites. <i>Frontiers in Chemistry</i> , 2020, 8, 98.	3.6	11
27	The Genetic Basis of Scale-Loss Phenotype in the Rapid Radiation of <i>Takifugu</i> Fishes. <i>Genes</i> , 2019, 10, 1027.	2.4	8
28	D-Mannose-Specific Immunoglobulin M in Grass Puffer (<i>Takifugu niphobles</i>), a Nonhost Fish of a Monogenean Ectoparasite <i>Heterobothrium okamotoi</i> , Can Act as a Trigger for Its Parasitism. <i>Journal of Parasitology</i> , 2020, 106, 276.	0.7	7
29	Screening of candidate genes encoding proteins expressed in pectoral fins of fugu <i>Takifugu rubripes</i> , in relation to habitat site of parasitic copepod <i>Caligus fugu</i> , using suppression subtractive hybridization. <i>Fish and Shellfish Immunology</i> , 2015, 44, 356-364.	3.6	3
30	Animal Models for Assessing the Biological Roles of Lectins. , 2008, , .		2
31	Expression and presentation of immune-related membrane proteins of fish by a cell surface display platform using insect cells. <i>Molecular Immunology</i> , 2019, 114, 553-560.	2.2	1
32	The cephalothoracic sucker of sea lice (Crustacea: Copepoda: Caligidae): The functional importance of cuticular membrane ultrastructure. <i>Arthropod Structure and Development</i> , 2021, 62, 101046.	1.4	1
33	Nonspecific Defense Mechanisms of the Eel. , 2003, , 469-484.		1
34	Lectin Repertoires in Invertebrates and Ectothermic Vertebrates: Their Roles in Embryogenesis and Innate Immunity. , 2007, , 17-35.		0
35	Structural/functional aspects of protein-carbohydrate interactions in innate immunity: Applications to fisheries and aquaculture. <i>Journal of Biotechnology</i> , 2008, 136, S252.	3.8	0
36	Sex determination in fish. <i>Journal of Animal Genetics</i> , 2013, 41, 37-48.	1.0	0

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37	6. <i>Perkinsus marinus</i> utilizes immune system of host for entry. Nippon Suisan Gakkaishi, 2017, 83, 834-834.	0.1	0