Yoshimasa Sagane

List of Publications by Year
in descending order

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82	828	471061 17	552369 26
papers	citations	h-index	g-index

82	82	82	757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Characterization of Maize Acetylcholinesterase. A Novel Enzyme Family in the Plant Kingdom. Plant Physiology, 2005, 138, 1359-1371.	2.3	70
2	Functional specialization of cellulose synthase genes of prokaryotic origin in chordate larvaceans. Development (Cambridge), 2010, 137, 1483-1492.	1.2	54
3	In Vitro Reconstitution of the Clostridium botulinum Type D Progenitor Toxin. Journal of Biological Chemistry, 2002, 277, 2650-2656.	1.6	53
4	HA-33 facilitates transport of the serotype D botulinum toxin across a rat intestinal epithelial cell monolayer. FEMS Immunology and Medical Microbiology, 2011, 61, 323-331.	2.7	42
5	Complete Subunit Structure of the Clostridium botulinum Type D Toxin Complex via Intermediate Assembly with Nontoxic Components. Biochemistry, 2003, 42, 10991-10997.	1.2	35
6	Role of C-Terminal Region of HA-33 Component of Botulinum Toxin in Hemagglutination. Biochemical and Biophysical Research Communications, 2001, 288, 650-657.	1.0	27
7	Dichain structure of botulinum neurotoxin: identification of cleavage sites in types C, D, and F neurotoxin molecules. The Protein Journal, 1999, 18, 885-892.	1.1	26
8	Characterization and reconstitution of functional hemagglutinin of theClostridium botulinumtype C progenitor toxin. FEBS Journal, 2001, 268, 4019-4026.	0.2	26
9	Characterization of Toxin Complex Produced by a Unique Strain of Clostridium botulinum Serotype D 4947. Protein Journal, 2004, 23, 371-378.	0.7	26
10	Characterization of a Novel Acid Phosphatase from Embryonic Axes of Kidney Bean Exhibiting Vanadate-dependent Chloroperoxidase Activity. Journal of Biological Chemistry, 2004, 279, 37477-37484.	1.6	25
11	Characterization of the interaction between subunits of the botulinum toxin complex produced by serotype D through tryptic susceptibility of the isolated components and complex forms. Microbiology (United Kingdom), 2005, 151, 1475-1483.	0.7	24
12	Large-Scale Production of Phospholipase D from Streptomyces racemochromogenes and Its Application to Soybean Lecithin Modification. Applied Biochemistry and Biotechnology, 2011, 165, 1494-1506.	1.4	24
13	The Evolving Proteome of a Complex Extracellular Matrix, the Oikopleura House. PLoS ONE, 2012, 7, e40172.	1.1	24
14	Antioxidant activities of traditional plants in Sri Lanka by DPPH free radical-scavenging assay. Data in Brief, 2018, 17, 870-875.	0.5	24
15	Spontaneous Nicking in the Nontoxicâ€“Nonhemagglutinin Component of the Clostridium botulinum Toxin Complex. Biochemical and Biophysical Research Communications, 2002, 292, 434-440.	1.0	23
16	Isolation and characterization of actinomycetes strains that produce phospholipase D having high transphosphatidylation activity. Microbiological Research, 2009, 164, 43-48.	2.5	22
17	Molecular composition of progenitor toxin produced by Clostridium botulinum type C strain 6813. The Protein Journal, 1999, 18, 753-760.	1.1	21
18	Purification, Biochemical Characterization, and Cloning of Phospholipase D from Streptomyces racemochromogenes Strain 10-3. Protein Journal, 2010, 29, 598-608.	0.7	16

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19	Characterization of nicking of the nontoxic-nonhemagglutinin components of Clostridium botulinum types C and D progenitor toxin. The Protein Journal, 2000, 19, 575-581.	1.1	15
20	Four molecules of the 33â€…kDa haemagglutinin component of the Clostridium botulinum serotype C and D toxin complexes are required to aggregate erythrocytes. Microbiology (United Kingdom), 2005, 151, 3847-3858.	0.7	15
21	Cytoskeleton-mediated templating of complex cellulose-scaffolded extracellular structure and its association with oikosins in the urochordate Oikopleura. Cellular and Molecular Life Sciences, 2011, 68, 1611-1622.	2.4	12
22	Small-angle X-ray scattering reveals structural dynamics of the botulinum neurotoxin associating protein, nontoxic nonhemagglutinin. Biochemical and Biophysical Research Communications, 2012, 425, 256-260.	1.0	12
23	â€œNon-Toxicâ€•Proteins of the Botulinum Toxin Complex Exert In-vivo Toxicity. Scientific Reports, 2016, 6, 31043.	1.6	11
24	Data on the chemical properties of commercial fish sauce products. Data in Brief, 2017, 15, 658-664.	0.5	11
25	Identification of Actinomycetes Producing Phospholipase D with High Transphosphatidylation Activity. Current Microbiology, 2010, 60, 365-372.	1.0	10
26	Toxic and nontoxic components of botulinum neurotoxin complex are evolved from a common ancestral zinc protein. Biochemical and Biophysical Research Communications, 2012, 419, 500-504.	1.0	10
27	Molecular characterization of GroES and GroEL homologues from Clostridium botulinum. The Protein Journal, 2003, 22, 99-108.	1.1	9
28	Sugar-induced conformational change found in the HA-33/HA-17 trimer of the botulinum toxin complex. Biochemical and Biophysical Research Communications, 2013, 438, 483-487.	1.0	8
29	Chemical properties and colors of fermenting materials in salmon fish sauce production. Data in Brief, 2018, 16, 483-488.	0.5	8
30	Clustering of commercial fish sauce products based on an e-panel technique. Data in Brief, 2018, 16, 515-520.	0.5	8
31	Data on the inhibitory effect of traditional plants from Sri Lanka against tyrosinase and collagenase. Data in Brief, 2018, 20, 573-576.	0.5	8
32	Identification ofSalicorniaPopulations : Comparison between Morphological Characterization and RAPD Fingerprinting. Plant Production Science, 2003, 6, 287-294.	0.9	7
33	Autolysis of Porphyromonas gingivalis Is Accompanied by an Increase in Several Periodontal Pathogenic Factors in the Supernatant. Microbiology and Immunology, 2004, 48, 541-545.	0.7	7
34	Data on the weights, specific gravities and chemical compositions of potato (Solanum tuberosum) tubers for food processing from different areas of Hokkaido, Japan. Data in Brief, 2017, 11, 601-605.	0.5	7
35	Free Amino Acids in Potato (Solanum tuberosum) May Cause Egumi-Taste in Food Products. Potato Research, 2019, 62, 305-314.	1.2	7
36	Purification and Characterization of Phospholipase D from Cabbage Leaves.. Food Science and Technology Research, 2000, 6, 29-33.	0.3	6

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37	Fibroblast and keratinocyte gene expression following exposure to extracts of neem plant (Azadirachta indica). Data in Brief, 2018, 16, 982-992.	0.5	6
38	Hemagglutinin gene shuffling amongClostridium botulinumserotypes C and D yields distinct sugar recognition of the botulinum toxin complex. Pathogens and Disease, 2015, 73, ftv054.	0.8	5
39	Data on melanin production in B16F1 melanoma cells in the presence of emu oil. Data in Brief, 2016, 9, 1056-1059.	0.5	5
40	Data on a single oral dose of camu camu (Myrciaria dubia) pericarp extract on flow-mediated vasodilation and blood pressure in young adult humans. Data in Brief, 2018, 16, 993-999.	0.5	5
41	Emu Oil Reduces LPS-Induced Production of Nitric Oxide and TNF-Î± but not Phagocytosis in RAW 264 Macrophages. Journal of Oleo Science, 2018, 67, 471-477.	0.6	5
42	Mining online activity data to understand food consumption behavior: A case of Asian fish sauce among Japanese consumers. Food Science and Nutrition, 2018, 6, 791-799.	1.5	5
43	Transport of the botulinum neurotoxin-associating protein, nontoxic nonhemagglutinin, across the rat small intestinal epithelial cell monolayer. FEMS Microbiology Letters, 2013, 346, 73-80.	0.7	4
44	Host-cell specificity and transcytosis of nontoxic nonhemagglutinin protein of botulinum neurotoxin serotype D. FEMS Microbiology Letters, 2014, 357, n/a-n/a.	0.7	4
45	Conformational divergence in the HA-33/HA-17 trimer of serotype C and D botulinum toxin complex. Biochemical and Biophysical Research Communications, 2016, 476, 280-285.	1.0	4
46	Purification and Characterization of Nontoxic Protein Complex from Serotype D 4947 Botulinum Toxin Complex. Protein Journal, 2012, 31, 387-392.	0.7	3
47	Random Phage Display-Based Screening of Peptides that Bind to Botulinum Neurotoxin Binding Protein, Nontoxic Nonhemagglutinin. Current Microbiology, 2013, 67, 188-192.	1.0	3
48	Botulinum Toxin Complex Increases Paracellular Permeability in Intestinal Epithelial Cells via Activation of p38 Mitogen-Activated Protein Kinase. Journal of Veterinary Medical Science, 2013, 75, 1637-1642.	0.3	3
49	Fibroblast and keratinocyte gene expression following exposure to the extracts of holy basil plant (Ocimum tenuiflorum), malabar nut plant (Justicia adhatoda), and emblic myrobalan plant (Phyllanthus emblica). Data in Brief, 2018, 17, 24-46.	0.5	3
50	Data on the correlations among brand value, market capitalization, and consolidated overseas sales ratios of Japanese companies. Data in Brief, 2019, 23, 103808.	0.5	3
51	Purification, crystallization and preliminary X-ray analysis of an HA17â€“HA70 (HA2â€“HA3) complex fromClostridium botulinumtype C progenitor toxin. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 64-67.	0.4	3
52	Primary structure of phospholipase D purified from cabbage leaves.. Seibutsu Butsuri Kagaku, 1999, 43, 159-164.	0.1	3
53	Botulinum Toxin Complex: A Delivery Vehicle of Botulinum Neurotoxin Traveling Digestive Tract. , 2012, , .		2
54	Crystallization and preliminary X-ray analysis of theClostridium botulinumtype D nontoxic nonhaemagglutinin. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 227-230.	0.7	2

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55	Isolation of botulinolysin, a thiol-activated hemolysin, from serotype D Clostridium botulinum : A species-specific gene duplication in Clostridia. Microbiological Research, 2016, 193, 20-29.	2.5	2
56	Data on the sensory evaluation of potatoes (Solanum tuberosum) from different areas of Hokkaido, Japan, performed by untrained young adults. Data in Brief, 2017, 15, 397-400.	0.5	2
57	Reversible Association of the Hemagglutinin Subcomplex, HA-33/HA-17 Trimer, with the Botulinum Toxin Complex. Protein Journal, 2017, 36, 417-424.	0.7	2
58	Safety data on single application of emu and macadamia nut oil on human skin. Data in Brief, 2017, 15, 720-723.	0.5	2
59	Data on free amino acid contents in Japanese basket clams (Corbicula japonica) from Lake Abashiri and Abashirigawa River. Data in Brief, 2018, 16, 639-643.	0.5	2
60	Effect of traditional plants in Sri Lanka on skin keratinocyte count. Data in Brief, 2018, 18, 727-730.	0.5	2
61	Isolation of the components of progenitor toxin produced by Clostridium botulinum type C strain Stockholm.. Seibutsu Butsuri Kagaku, 2000, 44, 27-34.	0.1	2
62	Purification and primary structure of phospholipase D from cabbage.. Seibutsu Butsuri Kagaku, 1999, 43, 31-38.	0.1	2
63	Crystallization and preliminary X-ray analysis of a novel haemagglutinin component of the toxin complex of serotype CClostridium botulinum. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 370-373.	0.4	1
64	Identification of the interaction region between hemagglutinin components of the botulinum toxin complex. International Journal of Biological Macromolecules, 2014, 65, 284-288.	3.6	1
65	Building-block architecture of botulinum toxin complex: Conformational changes provide insights into the hemagglutination ability of the complex. Biochemistry and Biophysics Reports, 2017, 9, 67-71.	0.7	1
66	Data on spatiotemporal patterns of the foundation of Japanese companies in China from 1980â€“2016. Data in Brief, 2017, 15, 1006-1014.	0.5	1
67	Data on color and chemical composition of dried scallop (Mizuhopecten yessoensis) produced in different areas of Hokkaido, Japan. Data in Brief, 2018, 16, 635-638.	0.5	1
68	Data on volatile compounds in fermented materials used for salmon fish sauce production. Data in Brief, 2018, 16, 154-156.	0.5	1
69	Effect of traditional plants in Sri Lanka on skin fibroblast cell number. Data in Brief, 2018, 19, 611-615.	0.5	1
70	Atomic force microscopic image data of botulinum neurotoxin complexes with different molecular sizes. Data in Brief, 2019, 25, 104193.	0.5	1
71	Data on the number of passengers using buses in Abashiri city, Hokkaido, from 2013 to 2018. Data in Brief, 2019, 26, 104512.	0.5	1
72	Signal peptide sequence processing site of purple acid phosphatase from kidney bean (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	1

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73	Development of Dry Sausage that Utilizes the Food Physico-chemical Characteristics of Emu Tendon Meat. Journal of the Japanese Society for Food Science and Technology, 2021, 68, 447-454.	0.1	1
74	Transphosphatidylation capacity of phospholipase D from cabbage (Brassica oleracea L. var. capitata L.) leaves and Streptomyces chromofuscus. Food Preservation Science, 1999, 25, 229-237.	0.1	0
75	Data describing inhibitory profiles of sugars against hemagglutination by the botulinum toxin complex of Clostridium botulinum serotypes C and D. Data in Brief, 2016, 9, 413-416.	0.5	0
76	Data on people's interests related to entry into the Chinese market based on Internet activity corresponding to real-world statistical data in the period 2004â€“2015 in Japan. Data in Brief, 2017, 15, 1015-1018.	0.5	0
77	Construction of â€œToxin Complexâ€•in a Mutant Serotype C Strain of Clostridium botulinum Harboring a Defective Neurotoxin Gene. Current Microbiology, 2017, 74, 49-54.	1.0	0
78	Data describing the flow-mediated vasodilation responses and blood pressure in young adult humans after a single dose of oral edible emu oil. Data in Brief, 2018, 17, 631-637.	0.5	0
79	Data on volatile compounds produced by serotype D Clostridium botulinum. Data in Brief, 2018, 19, 393-397.	0.5	0
80	Airfreight data from Memanbetsu airport correlated to fish and scallop catch in okhotsk subprefecture, Hokkaido, Japan. Data in Brief, 2020, 31, 106006.	0.5	0
81	Research on the Food Flavor and Tastes. Journal of Japan Association on Odor Environment, 2013, 44, 298-306.	0.1	0
82	Isolation of a Novel Viscous Protein from the Egg Mass of Japanese Sandfish (<i>Arctoscopus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0