

Yoshimasa Sagane

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

695

citations

16

h-index

23

g-index

82

ext. papers

754

ext. citations

2.6

avg, IF

3.19

L-index

#	Paper	IF	Citations
82	Molecular characterization of maize acetylcholinesterase: a novel enzyme family in the plant kingdom. <i>Plant Physiology</i> , 2005 , 138, 1359-71	6.6	58
81	In vitro reconstitution of the Clostridium botulinum type D progenitor toxin. <i>Journal of Biological Chemistry</i> , 2002 , 277, 2650-6	5.4	50
80	Functional specialization of cellulose synthase genes of prokaryotic origin in chordate larvaceans. <i>Development (Cambridge)</i> , 2010 , 137, 1483-92	6.6	47
79	HA-33 facilitates transport of the serotype D botulinum toxin across a rat intestinal epithelial cell monolayer. <i>FEMS Immunology and Medical Microbiology</i> , 2011 , 61, 323-31		40
78	Complete subunit structure of the Clostridium botulinum type D toxin complex via intermediate assembly with nontoxic components. <i>Biochemistry</i> , 2003 , 42, 10991-7	3.2	32
77	Characterization of toxin complex produced by a unique strain of Clostridium botulinum serotype D 4947. <i>Protein Journal</i> , 2004 , 23, 371-8	3.9	25
76	Characterization of a novel acid phosphatase from embryonic axes of kidney bean exhibiting vanadate-dependent chloroperoxidase activity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 37477-84	5.4	24
75	Role of C-terminal region of HA-33 component of botulinum toxin in hemagglutination. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 288, 650-7	3.4	24
74	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. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 1475-1483	2.9	23
73	Characterization and reconstitution of functional hemagglutinin of the Clostridium botulinum type C progenitor toxin. <i>FEBS Journal</i> , 2001 , 268, 4019-26		23
72	Dichain structure of botulinum neurotoxin: identification of cleavage sites in types C, D, and F neurotoxin molecules. <i>The Protein Journal</i> , 1999 , 18, 885-92		23
71	Spontaneous nicking in the nontoxic-nonhemagglutinin component of the Clostridium botulinum toxin complex. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 292, 434-40	3.4	22
70	Large-scale production of phospholipase D from Streptomyces racemochromogenes and its application to soybean lecithin modification. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 165, 1494-506 ²	3.2	20
69	The evolving proteome of a complex extracellular matrix, the Oikopleura house. <i>PLoS ONE</i> , 2012 , 7, e40172		19
68	Molecular composition of progenitor toxin produced by Clostridium botulinum type C strain 6813. <i>The Protein Journal</i> , 1999 , 18, 753-60		18
67	Isolation and characterization of actinomycetes strains that produce phospholipase D having high transphosphatidylase activity. <i>Microbiological Research</i> , 2009 , 164, 43-8	5.3	17
66	Antioxidant activities of traditional plants in Sri Lanka by DPPH free radical-scavenging assay. <i>Data in Brief</i> , 2018 , 17, 870-875	1.2	15

65	Four molecules of the 33 kDa haemagglutinin component of the Clostridium botulinum serotype C and D toxin complexes are required to aggregate erythrocytes. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 3847-3858	2.9	15
64	Purification, biochemical characterization, and cloning of phospholipase D from Streptomyces racemochromogenes strain 10-3. <i>Protein Journal</i> , 2010 , 29, 598-608	3.9	13
63	Characterization of nicking of the nontoxic-nonhemagglutinin components of Clostridium botulinum types C and D progenitor toxin. <i>The Protein Journal</i> , 2000 , 19, 575-81		13
62	Small-angle X-ray scattering reveals structural dynamics of the botulinum neurotoxin associating protein, nontoxic nonhemagglutinin. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 425, 256-60	3.4	11
61	"Non-Toxic" Proteins of the Botulinum Toxin Complex Exert In-vivo Toxicity. <i>Scientific Reports</i> , 2016 , 6, 31043	4.9	9
60	Toxic and nontoxic components of botulinum neurotoxin complex are evolved from a common ancestral zinc protein. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 419, 500-4	3.4	9
59	Molecular characterization of GroES and GroEL homologues from Clostridium botulinum. <i>The Protein Journal</i> , 2003 , 22, 99-108		9
58	Cytoskeleton-mediated templating of complex cellulose-scaffolded extracellular structure and its association with oikosins in the urochordate Oikopleura. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 1611-22	10.3	8
57	Sugar-induced conformational change found in the HA-33/HA-17 trimer of the botulinum toxin complex. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 438, 483-7	3.4	7
56	Identification of actinomycetes producing phospholipase d with high transphosphatidylase activity. <i>Current Microbiology</i> , 2010 , 60, 365-72	2.4	7
55	Autolysis of Porphyromonas gingivalis is accompanied by an increase in several periodontal pathogenic factors in the supernatant. <i>Microbiology and Immunology</i> , 2004 , 48, 541-5	2.7	7
54	Data on the inhibitory effect of traditional plants from Sri Lanka against tyrosinase and collagenase. <i>Data in Brief</i> , 2018 , 20, 573-576	1.2	7
53	Data on the chemical properties of commercial fish sauce products. <i>Data in Brief</i> , 2017 , 15, 658-664	1.2	6
52	Data on the weights, specific gravities and chemical compositions of potato () tubers for food processing from different areas of Hokkaido, Japan. <i>Data in Brief</i> , 2017 , 11, 601-605	1.2	5
51	Mining online activity data to understand food consumption behavior: A case of Asian fish sauce among Japanese consumers. <i>Food Science and Nutrition</i> , 2018 , 6, 791-799	3.2	5
50	Identification of Salicornia Populations : Comparison between Morphological Characterization and RAPD Fingerprinting. <i>Plant Production Science</i> , 2003 , 6, 287-294	2.4	5
49	Purification and Characterization of Phospholipase D from Cabbage Leaves.. <i>Food Science and Technology Research</i> , 2000 , 6, 29-33	0.8	5
48	Clustering of commercial fish sauce products based on an e-panel technique. <i>Data in Brief</i> , 2018 , 16, 515-520		5

47	Free Amino Acids in Potato (<i>Solanum tuberosum</i>) May Cause Egumi-Taste in Food Products. <i>Potato Research</i> , 2019 , 62, 305-314	3.2	4
46	Hemagglutinin gene shuffling among <i>Clostridium botulinum</i> serotypes C and D yields distinct sugar recognition of the botulinum toxin complex. <i>Pathogens and Disease</i> , 2015 , 73,	4.2	4
45	Fibroblast and keratinocyte gene expression following exposure to extracts of neem plant (). <i>Data in Brief</i> , 2018 , 16, 982-992	1.2	4
44	Transport of the botulinum neurotoxin-associating protein, nontoxic nonhemagglutinin, across the rat small intestinal epithelial cell monolayer. <i>FEMS Microbiology Letters</i> , 2013 , 346, 73-80	2.9	4
43	Chemical properties and colors of fermenting materials in salmon fish sauce production. <i>Data in Brief</i> , 2018 , 16, 483-488	1.2	4
42	Fibroblast and keratinocyte gene expression following exposure to the extracts of holy basil plant (), malabar nut plant (), and emblic myrobalan plant (). <i>Data in Brief</i> , 2018 , 17, 24-46	1.2	3
41	Data on a single oral dose of camu camu () pericarp extract on flow-mediated vasodilation and blood pressure in young adult humans. <i>Data in Brief</i> , 2018 , 16, 993-999	1.2	3
40	Emu Oil Reduces LPS-Induced Production of Nitric Oxide and TNF- β but not Phagocytosis in RAW 264 Macrophages. <i>Journal of Oleo Science</i> , 2018 , 67, 471-477	1.6	3
39	Conformational divergence in the HA-33/HA-17 trimer of serotype C and D botulinum toxin complex. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 476, 280-285	3.4	3
38	Random phage display-based screening of peptides that bind to botulinum neurotoxin binding protein, nontoxic nonhemagglutinin. <i>Current Microbiology</i> , 2013 , 67, 188-92	2.4	3
37	Host-cell specificity and transcytosis of nontoxic nonhemagglutinin protein of botulinum neurotoxin serotype D. <i>FEMS Microbiology Letters</i> , 2014 , 357, 115-22	2.9	3
36	Purification and characterization of nontoxic protein complex from serotype D 4947 botulinum toxin complex. <i>Protein Journal</i> , 2012 , 31, 387-92	3.9	3
35	Data on melanin production in B16F1 melanoma cells in the presence of emu oil. <i>Data in Brief</i> , 2016 , 9, 1056-1059	1.2	3
34	Safety data on single application of emu and macadamia nut oil on human skin. <i>Data in Brief</i> , 2017 , 15, 720-723	1.2	2
33	Botulinum toxin complex increases paracellular permeability in intestinal epithelial cells via activation of p38 mitogen-activated protein kinase. <i>Journal of Veterinary Medical Science</i> , 2013 , 75, 1637-42	1.1	2
32	Purification, crystallization and preliminary X-ray analysis of an HA17-HA70 (HA2-HA3) complex from <i>Clostridium botulinum</i> type C progenitor toxin. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 64-7	1.1	2
31	Primary structure of phospholipase D purified from cabbage leaves.. <i>Seibutsu Butsuri Kagaku</i> , 1999 , 43, 159-164		2
30	Building-block architecture of botulinum toxin complex: Conformational changes provide insights into the hemagglutination ability of the complex. <i>Biochemistry and Biophysics Reports</i> , 2017 , 9, 67-71	2.2	1

29	Data on the sensory evaluation of potatoes () from different areas of Hokkaido, Japan, performed by untrained young adults. <i>Data in Brief</i> , 2017 , 15, 397-400	1.2	1
28	Data on the correlations among brand value, market capitalization, and consolidated overseas sales ratios of Japanese companies. <i>Data in Brief</i> , 2019 , 23, 103808	1.2	1
27	Data on color and chemical composition of dried scallop () produced in different areas of Hokkaido, Japan. <i>Data in Brief</i> , 2018 , 16, 635-638	1.2	1
26	Effect of traditional plants in Sri Lanka on skin keratinocyte count. <i>Data in Brief</i> , 2018 , 18, 727-730	1.2	1
25	Data on the number of passengers using buses in Abashiri city, Hokkaido, from 2013 to 2018. <i>Data in Brief</i> , 2019 , 26, 104512	1.2	1
24	Reversible Association of the Hemagglutinin Subcomplex, HA-33/HA-17 Trimer, with the Botulinum Toxin Complex. <i>Protein Journal</i> , 2017 , 36, 417-424	3.9	1
23	Data on spatiotemporal patterns of the foundation of Japanese companies in China from 1980-2016. <i>Data in Brief</i> , 2017 , 15, 1006-1014	1.2	1
22	Crystallization and preliminary X-ray analysis of a novel haemagglutinin component of the toxin complex of serotype C Clostridium botulinum. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 370-3	1.1	1
21	Identification of the interaction region between hemagglutinin components of the botulinum toxin complex. <i>International Journal of Biological Macromolecules</i> , 2014 , 65, 284-8	7.9	1
20	Botulinum Toxin Complex: A Delivery Vehicle of Botulinum Neurotoxin Traveling Digestive Tract 2012 ,		1
19	Crystallization and preliminary X-ray analysis of the Clostridium botulinum type D nontoxic nonhaemagglutinin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 227-30		1
18	Signal peptide sequence processing site of purple acid phosphatase from kidney bean (<i>Phaseolus vulgaris</i> L. Ohfuku) seeds.. <i>Seibutsu Butsuri Kagaku</i> , 2000 , 44, 139-143		1
17	Isolation of the components of progenitor toxin produced by Clostridium botulinum type C strain Stockholm.. <i>Seibutsu Butsuri Kagaku</i> , 2000 , 44, 27-34		1
16	Purification and primary structure of phospholipase D from cabbage.. <i>Seibutsu Butsuri Kagaku</i> , 1999 , 43, 31-38		1
15	Data on volatile compounds in fermented materials used for salmon fish sauce production. <i>Data in Brief</i> , 2018 , 16, 154-156	1.2	1
14	Effect of traditional plants in Sri Lanka on skin fibroblast cell number. <i>Data in Brief</i> , 2018 , 19, 611-615	1.2	1
13	Data on free amino acid contents in Japanese basket clams () from Lake Abashiri and Abashirigawa River. <i>Data in Brief</i> , 2018 , 16, 639-643	1.2	0
12	Isolation of botulinolysin, a thiol-activated hemolysin, from serotype D Clostridium botulinum: A species-specific gene duplication in Clostridia. <i>Microbiological Research</i> , 2016 , 193, 20-29	5.3	0

11	Development of Dry Sausage that Utilizes the Food Physico-chemical Characteristics of Emu Tendon Meat. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2021 , 68, 447-454	0.2	0
10	Data describing the flow-mediated vasodilation responses and blood pressure in young adult humans after a single dose of oral edible emu oil. <i>Data in Brief</i> , 2018 , 17, 631-637	1.2	
9	Atomic force microscopic image data of botulinum neurotoxin complexes with different molecular sizes. <i>Data in Brief</i> , 2019 , 25, 104193	1.2	
8	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 2004-2015 in Japan. <i>Data in Brief</i> , 2017 , 15, 1015-1018	1.2	
7	Construction of "Toxin Complex" in a Mutant Serotype C Strain of Clostridium botulinum Harboring a Defective Neurotoxin Gene. <i>Current Microbiology</i> , 2017 , 74, 49-54	2.4	
6	Transphosphatidylation capacity of phospholipase D from cabbage (<i>Brassica oleracea</i> L. var. capitata L.) leaves and <i>Streptomyces chromofuscus</i> . <i>Food Preservation Science</i> , 1999 , 25, 229-237		
5	Research on the Food Flavor and Tastes. <i>Journal of Japan Association on Odor Environment</i> , 2013 , 44, 298-306	0	
4	Airfreight data from Memanbetsu airport correlated to fish and scallop catch in Okhotsk subprefecture, Hokkaido, Japan. <i>Data in Brief</i> , 2020 , 31, 106006	1.2	
3	Data describing inhibitory profiles of sugars against hemagglutination by the botulinum toxin complex of serotypes C and D. <i>Data in Brief</i> , 2016 , 9, 413-416	1.2	
2	Data on volatile compounds produced by serotype D. <i>Data in Brief</i> , 2018 , 19, 393-397	1.2	
1	Isolation of a Novel Viscous Protein from the Egg Mass of Japanese Sandfish (<i>Arctoscopus japonicus</i>). <i>Food Preservation Science</i> , 2012 , 38, 73-78		