Aparecida Sadae Tanaka

List of Publications by Year
in descending order

89	2,169	218677	276875
papers	citations	26 h-index	41 g-index

91	91	91	2116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Insight into the Transcriptome of the Digestive Tract of the Bloodsucking Bug, Rhodnius prolixus. PLoS Neglected Tropical Diseases, 2014, 8, e2594.	3.0	184
2	Ixodidin, a novel antimicrobial peptide from the hemocytes of the cattle tick Boophilus microplus with inhibitory activity against serine proteinases. Peptides, 2006, 27, 667-674.	2.4	116
3	Infestin, a thrombin inhibitor presents in Triatoma infestans midgut, a Chagasâ€™ disease vector: gene cloning, expression and characterization of the inhibitor. Insect Biochemistry and Molecular Biology, 2002, 32, 991-997.	2.7	83
4	A double headed serine proteinase inhibitor â€" human plasma kallikrein and elastase inhibitor â€" from Boophilus microplus larvae. Immunopharmacology, 1999, 45, 171-177.	2.0	72
5	Molecular evolution of Bowmanâ€“Birk type proteinase inhibitors in flowering plants. Molecular Phylogenetics and Evolution, 2003, 27, 103-112.	2.7	70
6	BmTI antigens induce a bovine protective immune response against Boophilus microplus tick. International Immunopharmacology, 2002, 2, 557-563.	3.8	68
7	Identification and characterization of a novel factor XIIa inhibitor in the hematophagous insect,Triatoma infestans(Hemiptera: Reduviidae). FEBS Letters, 2004, 577, 512-516.	2.8	64
8	Triapsin, an unusual activatable serine protease from the saliva of the hematophagous vector of Chagas' disease Triatoma infestans (Hemiptera: Reduviidae). Insect Biochemistry and Molecular Biology, 2001, 31, 465-472.	2.7	52
9	Brasiliensin: A novel intestinal thrombin inhibitor from Triatoma brasiliensis (Hemiptera: Reduviidae) with an important role in blood intake. International Journal for Parasitology, 2007, 37, 1351-1358.	3.1	51
10	Boophilus microplus tick larvae, a rich source of Kunitz type serine proteinase inhibitors. Biochimie, 2004, 86, 643-649.	2.6	49
11	Bmcystatin, a cysteine proteinase inhibitor characterized from the tick Boophilus microplus. Biochemical and Biophysical Research Communications, 2006, 347, 44-50.	2.1	43
12	The full-length cDNA ofÂanticoagulant protein infestin revealed aÂnovel releasable Kazal domain, aÂneutrophil elastase inhibitor lacking anticoagulant activity. Biochimie, 2006, 88, 673-681.	2.6	43
13	BmSI-7, a novel subtilisin inhibitor from Boophilus microplus, with activity toward Pr1 proteases from the fungus Metarhizium anisopliae. Experimental Parasitology, 2008, 118, 214-220.	1.2	43
14	Characterization of proteinases from the midgut of Rhipicephalus (Boophilus) microplus involved in the generation of antimicrobial peptides. Parasites and Vectors, 2010, 3, 63.	2.5	42
15	Differential Expression Profiles in the Midgut of Triatoma infestans Infected with Trypanosoma cruzi. PLoS ONE, 2013, 8, e61203.	2.5	39
16	Functional phage display of leech-derived tryptase inhibitor (LDTI): construction of a library and selection of thrombin inhibitors. FEBS Letters, 1999, 458, 11-16.	2.8	37
17	Expression and functional characterization of boophilin, a thrombin inhibitor from Rhipicephalus (Boophilus) microplus midgut. Veterinary Parasitology, 2012, 187, 521-528.	1.8	37
18	Plant serine proteinase inhibitors. Structure and biochemical applications on plasma kallikrein and related enzymes. Immunopharmacology, 1996, 32, 62-66.	2.0	36

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19	Purification and Primary Structure Determination of a Bowman-Birk Trypsin Inhibitor from Torresea cearensis Seeds. Biological Chemistry, 1997, 378, 273-81.	2.5	36
20	A novel trypsin Kazal-type inhibitor from Aedes aegypti with thrombin coagulant inhibitory activity. Biochimie, 2010, 92, 933-939.	2.6	34
21	A New Phage-Display Tumor-Homing Peptide Fused to Antiangiogenic Peptide Generates a Novel Bioactive Molecule with Antimelanoma Activity. Molecular Cancer Research, 2011, 9, 1471-1478.	3.4	34
22	rBmTI-6, a Kunitz-BPTI domain protease inhibitor from the tick Boophilus microplus, its cloning, expression and biochemical characterization. Veterinary Parasitology, 2008, 155, 133-141.	1.8	31
23	Thrombin Inhibitors from Different Animals. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-9.	3.0	31
24	A novel melanoma-targeting peptide screened by phage display exhibits antitumor activity. Journal of Molecular Medicine, 2010, 88, 1255-1264.	3.9	29
25	A new antimicrobial protein from the anterior midgut of Triatoma infestans mediates Trypanosoma cruzi establishment by controlling the microbiota. Biochimie, 2016, 123, 138-143.	2.6	29
26	Purification of a phospholipase A2 from Lonomia obliqua caterpillar bristle extract. Biochemical and Biophysical Research Communications, 2006, 342, 1027-1033.	2.1	28
27	A Kazal-type inhibitor is modulated by Trypanosoma cruzi to control microbiota inside the anterior midgut of Rhodnius prolixus. Biochimie, 2015, 112, 41-48.	2.6	28
28	Molecular characterization of genes encoding trypsin-like enzymes from Aedes aegypti larvae and identification of digestive enzymes. Gene, 2011, 489, 70-75.	2.2	27
29	Bauhinia serine proteinase inhibitors: effect on factor X, factor XII and plasma kallikrein. Immunopharmacology, 1996, 32, 85-87.	2.0	26
30	A Treatment with a Protease Inhibitor Recombinant from the Cattle Tick (Rhipicephalus Boophilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.5	26
31	Serine proteinase inhibitors from eggs and larvae of tick Boophilus microplus: purification and biochemical characterization. The Protein Journal, 2001, 20, 337-343.	1.1	25
32	Biochemical characterization of a Kunitz type inhibitor similar to dendrotoxins produced by Rhipicephalus (Boophilus) microplus (Acari: Ixodidae) hemocytes. Veterinary Parasitology, 2010, 167, 279-287.	1.8	25
33	Purification and characterization of a trypsin-like enzyme with fibrinolytic activity present in the abdomen of horn fly, Haematobia irritans irritans (Diptera: Muscidae). The Protein Journal, 2000, 19, 515-521.	1.1	24
34	Rhipicephalus sanguineus trypsin inhibitors present in the tick larvae: isolation, characterization, and partial primary structure determination. Archives of Biochemistry and Biophysics, 2003, 417, 176-182.	3.0	24
35	The Kazal-type inhibitors infestins 1 and 4 differ in specificity but are similar in three-dimensional structure. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 695-702.	2.5	24
36	Characterization and comparative 3D modeling of CmPI-II, a novel â€˜non-classicalâ€™ Kazal-type inhibitor from the marine snail Cenchritis muricatus (Mollusca). Biological Chemistry, 2007, 388, 1183-94.	2.5	23

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37	Purification and partial characterization of human neutrophil elastase inhibitors from the marine snail Cenchritis muricatus (Mollusca). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, 506-513.	1.8	23
38	A physiologic overview of the organ-specific transcriptome of the cattle tick Rhipicephalus microplus. Scientific Reports, 2020, 10, 18296.	3.3	23
39	Characterization of thrombin inhibitory mechanism of rAaTI, a Kazal-type inhibitor from Aedes aegypti with anticoagulant activity. Biochimie, 2011, 93, 618-623.	2.6	22
40	BmTI-A, a Kunitz type inhibitor from Rhipicephalus microplus able to interfere in vessel formation. Veterinary Parasitology, 2016, 219, 44-52.	1.8	22
41	Boophilus microplus cathepsin L-like (BmCL1) cysteine protease: Specificity study using a peptide phage display library. Veterinary Parasitology, 2011, 181, 291-300.	1.8	20
42	Baccharis dracunculifolia (Asteraceae) essential oil toxicity to Culex quinquefasciatus (Culicidae). Environmental Science and Pollution Research, 2018, 25, 31718-31726.	5.3	20
43	Functional Display and Expression of Chicken Cystatin Using a Phagemid System. Biochemical and Biophysical Research Communications, 1995, 214, 389-395.	2.1	19
44	A new blood coagulation inhibitor from the snake Bothrops jararaca plasma: isolation and characterization. Biochemical and Biophysical Research Communications, 2003, 308, 706-712.	2.1	18
45	Evaluation of phage display system and leech-derived tryptase inhibitor as a tool for understanding the serine proteinase specificities. Archives of Biochemistry and Biophysics, 2004, 425, 87-94.	3.0	18
46	Rmcystatin3, a cysteine protease inhibitor from Rhipicephalus microplus hemocytes involved in immune response. Biochimie, 2014, 106, 17-23.	2.6	18
47	An unexpected inhibitory activity of Kunitz-type serine proteinase inhibitor derived from Boophilus microplus trypsin inhibitor on cathepsin L. Biochemical and Biophysical Research Communications, 2006, 341, 266-272.	2.1	16
48	Cathepsin V, but not cathepsins L, B and K, may release angiostatin-like fragments from plasminogen. Biological Chemistry, 2008, 389, 195-200.	2.5	16
49	Purification, characterization, and cloning of a serine proteinase inhibitor from the ectoparasite Haematobia irritans irritans (Diptera: Muscidae). Experimental Parasitology, 2004, 106, 103-109.	1.2	15
50	Influence of the intestinal anticoagulant in the feeding performance of triatomine bugs (Hemiptera;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.1	15
51	A novel type 1 cystatin involved in the regulation of Rhipicephalus microplus midgut cysteine proteases. Ticks and Tick-borne Diseases, 2020, 11, 101374.	2.7	15
52	The first pacifastin elastase inhibitor characterized from a blood sucking animal. Peptides, 2010, 31, 1280-1286.	2.4	14
53	Tigutcystatin, a cysteine protease inhibitor from Triatoma infestans midgut expressed in response to Trypanosoma cruzi. Biochemical and Biophysical Research Communications, 2011, 413, 241-247.	2.1	14
54	Blood anticlotting activity of a Rhipicephalus microplus cathepsin L-like enzyme. Biochimie, 2019, 163, 12-20.	2.6	14

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55	Sequence of a new Bowman-Birk inhibitor fromTorresea acreana seeds and comparison withTorresea cearensis trypsin inhibitor (TcTI2). The Protein Journal, 1996, 15, 553-560.	1.1	12
56	The role of HiTI, a serine protease inhibitor from Haematobia irritans irritans (Diptera: Muscidae) in the control of fly and bacterial proteases. Experimental Parasitology, 2005, 111, 30-36.	1.2	12
57	Cloning, expression and characterization of Bauhinia variegata trypsin inhibitor BvTI. Biological Chemistry, 2005, 386, 1185-9.	2.5	11
58	The first serine protease inhibitor from Lasiodora sp. (Araneae: Theraphosidae) hemocytes. Process Biochemistry, 2011, 46, 2317-2321.	3.7	11
59	Characterization of Bothrops jararaca coagulation inhibitor (BjI) and presence of similar protein in plasma of other animals. Toxicon, 2004, 44, 289-294.	1.6	10
60	Proteomic Analysis of the Ontogenetic Variability in Plasma Composition of Juvenile and AdultBothrops jararacaSnakes. International Journal of Proteomics, 2013, 2013, 1-9.	2.0	10
61	Functional characterization of a serine protease inhibitor modulated in the infection of the Aedes aegypti with dengue virus. Biochimie, 2018, 144, 160-168.	2.6	10
62	Bovine pancreatic trypsin inhibitor immobilized onto sepharose as a new strategy to purify a thermostable alkaline peptidase from cobia (Rachycentron canadum) processing waste. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 210-217.	2.3	9
63	Paracoccidioides brasiliensis induces cytokine secretion in epithelial cells in a protease-activated receptor-dependent (PAR) manner. Medical Microbiology and Immunology, 2017, 206, 149-156.	4.8	9
64	Bothrops jararaca fibrinogen and its resistance to hydrolysis evoked by snake venoms. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 151, 428-432.	1.6	8
65	Biochemical Aspects of a Serine Protease fromCaesalpinia echinataLam. (Brazilwood) Seeds: A Potential Tool to Access the Mobilization of Seed Storage Proteins. Scientific World Journal, The, 2012, 2012, 1-8.	2.1	8
66	Selective inhibitors of digestive enzymes from Aedes aegypti larvae identified byÂphage display. Insect Biochemistry and Molecular Biology, 2013, 43, 9-16.	2.7	8
67	Characterization of a novel cystatin type 2 from Rhipicephalus microplus midgut. Biochimie, 2017, 140, 117-121.	2.6	8
68	Crystallization, data collection and phasing of infestin 4, a factor XIIa inhibitor. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2051-2053.	2.5	7
69	RmKK, a tissue kallikrein inhibitor from Rhipicephalus microplus eggs. Biochemical and Biophysical Research Communications, 2014, 449, 69-73.	2.1	7
70	Examination of biochemical and biological activities of Bothrops jararaca (Serpentes: Viperidae;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.6	7
71	Kinetic characterization of a novel cysteine peptidase from the protozoan Babesia bovis, a potential target for drug design. Biochimie, 2020, 179, 127-134.	2.6	6
72	Infestin 1R, an intestinal subtilisin inhibitor from Triatoma infestans able to impair mammalian cell invasion by Trypanosoma cruzi. Experimental Parasitology, 2011, 129, 362-367.	1.2	5

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73	rBmTI-6 attenuates pathophysiological and inflammatory parameters of induced emphysema in mice. International Journal of Biological Macromolecules, 2018, 111, 1214-1221.	7.5	5
74	Proteolytic activity of Triatoma infestans saliva associated with PAR-2 activation and vasodilation. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2021, 27, e20200098.	1.4	5
75	Differential transcript profile of inhibitors with potential anti-venom role in the liver of juvenile and adultBothrops jararacasnake. PeerJ, 2017, 5, e3203.	2.0	5
76	Purification of porcine plasma factor VIII using chromatographic methods. Biotechnology Letters, 2000, 22, 257-260.	2.2	4
77	Effect of invertebrate serine proteinase inhibitors on carrageenan-induced pleural exudation and bradykinin release. International Immunopharmacology, 2004, 4, 1401-1408.	3.8	4
78	Protease Inhibitors Extracted fromCaesalpinia echinataLam. Affect Kinin Release during Lung Inflammation. Pulmonary Medicine, 2016, 2016, 1-9.	1.9	4
79	High-resolution structure of a Kazal-type serine protease inhibitor from the dengue vectorAedes aegypti. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 469-475.	0.8	4
80	The first characterization of a cystatin and a cathepsin L-like peptidase from Aedes aegypti and their possible role in DENV infection by the modulation of apoptosis. International Journal of Biological Macromolecules, 2020, 146, 141-149.	7.5	4
81	Depletion of plasma albumin for proteomic analysis of Bothrops jararaca snake plasma. Journal of Biomolecular Techniques, 2011, 22, 67-73.	1.5	4
82	Validation of a Phage Display Method for Protease Inhibitor Selection Using SFTI and HiTI Synthetic Hybrid Peptides. Combinatorial Chemistry and High Throughput Screening, 2010, 13, 829-835.	1.1	3
83	Crystallization and preliminary crystallographic characterization of the N-terminal Kunitz domain of boophilin. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 436-439.	0.7	3
84	The anti-inflammatory action of Bothrops jararaca snake antithrombin on acute inflammation induced by carrageenan in mice. Inflammation Research, 2013, 62, 733-742.	4.0	2
85	Production of serine protease inhibitors by mutagenesis and their effects on the mortality of Aedes aegypti L. larvae. Parasites and Vectors, 2015, 8, 511.	2.5	2
86	Bioengineering of an elastase inhibitor from Caesalpinia echinata (Brazil wood) seeds. Phytochemistry, 2021, 182, 112595.	2.9	2
87	Cloning, Characterization and Anti-Inflammatory Properties of Bothrops jararaca Snake Antithrombin. Protein and Peptide Letters, 2015, 22, 410-418.	0.9	2
88	Disclosing the involvement of proteases in an eczema murine animal model: Perspectives for protease inhibitor-based therapies. Biochimie, 2022, 194, 1-12.	2.6	2
89	A versatile inhibitor of digestive enzymes in Aedes aegypti larvae selected from a pacifastin (TiPI) phage display library. Biochemical and Biophysical Research Communications, 2022, 590, 139-144.	2.1	1