

Aparecida Sadae Tanaka

List of Publications by Year in descending order

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89
papers

2,169
citations

218677

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276875

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all docs

91
docs citations

91
times ranked

2116
citing authors

#	ARTICLE	IF	CITATIONS
1	Disclosing the involvement of proteases in an eczema murine animal model: Perspectives for protease inhibitor-based therapies. <i>Biochimie</i> , 2022, 194, 1-12.	2.6	2
2	A versatile inhibitor of digestive enzymes in <i>Aedes aegypti</i> larvae selected from a pacifastin (TiPI) phage display library. <i>Biochemical and Biophysical Research Communications</i> , 2022, 590, 139-144.	2.1	1
3	Bioengineering of an elastase inhibitor from <i>Caesalpinia echinata</i> (Brazil wood) seeds. <i>Phytochemistry</i> , 2021, 182, 112595.	2.9	2
4	Proteolytic activity of <i>Triatoma infestans</i> saliva associated with PAR-2 activation and vasodilation. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2021, 27, e20200098.	1.4	5
5	The first characterization of a cystatin and a cathepsin L-like peptidase from <i>Aedes aegypti</i> and their possible role in DENV infection by the modulation of apoptosis. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 141-149.	7.5	4
6	Kinetic characterization of a novel cysteine peptidase from the protozoan <i>Babesia bovis</i> , a potential target for drug design. <i>Biochimie</i> , 2020, 179, 127-134.	2.6	6
7	A physiologic overview of the organ-specific transcriptome of the cattle tick <i>Rhipicephalus microplus</i> . <i>Scientific Reports</i> , 2020, 10, 18296.	3.3	23
8	A novel type 1 cystatin involved in the regulation of <i>Rhipicephalus microplus</i> midgut cysteine proteases. <i>Ticks and Tick-borne Diseases</i> , 2020, 11, 101374.	2.7	15
9	Blood anticlotting activity of a <i>Rhipicephalus microplus</i> cathepsin L-like enzyme. <i>Biochimie</i> , 2019, 163, 12-20.	2.6	14
10	rBmTI-6 attenuates pathophysiological and inflammatory parameters of induced emphysema in mice. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 1214-1221.	7.5	5
11	Examination of biochemical and biological activities of <i>Bothrops jararaca</i> (Serpentes: Viperidae); Tj ETQq1 1 0.784314 rgBT / Qverlock 1.6	1.6	14
12	Functional characterization of a serine protease inhibitor modulated in the infection of the <i>Aedes aegypti</i> with dengue virus. <i>Biochimie</i> , 2018, 144, 160-168.	2.6	10
13	<i>Baccharis dracunculifolia</i> (Asteraceae) essential oil toxicity to <i>Culex quinquefasciatus</i> (Culicidae). <i>Environmental Science and Pollution Research</i> , 2018, 25, 31718-31726.	5.3	20
14	<i>Paracoccidioides brasiliensis</i> induces cytokine secretion in epithelial cells in a protease-activated receptor-dependent (PAR) manner. <i>Medical Microbiology and Immunology</i> , 2017, 206, 149-156.	4.8	9
15	Characterization of a novel cystatin type 2 from <i>Rhipicephalus microplus</i> midgut. <i>Biochimie</i> , 2017, 140, 117-121.	2.6	8
16	High-resolution structure of a Kazal-type serine protease inhibitor from the dengue vector <i>Aedes aegypti</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2017, 73, 469-475.	0.8	4
17	Differential transcript profile of inhibitors with potential anti-venom role in the liver of juvenile and adult <i>Bothrops jararaca</i> snake. <i>PeerJ</i> , 2017, 5, e3203.	2.0	5
18	Protease Inhibitors Extracted from <i>Caesalpinia echinata</i> Lam. Affect Kinin Release during Lung Inflammation. <i>Pulmonary Medicine</i> , 2016, 2016, 1-9.	1.9	4

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19	Bovine pancreatic trypsin inhibitor immobilized onto sepharose as a new strategy to purify a thermostable alkaline peptidase from cobia (<i>Rachycentron canadum</i>) processing waste. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 210-217.	2.3	9
20	A new antimicrobial protein from the anterior midgut of <i>Triatoma infestans</i> mediates <i>Trypanosoma cruzi</i> establishment by controlling the microbiota. <i>Biochimie</i> , 2016, 123, 138-143.	2.6	29
21	BmTI-A, a Kunitz type inhibitor from <i>Rhipicephalus microplus</i> able to interfere in vessel formation. <i>Veterinary Parasitology</i> , 2016, 219, 44-52.	1.8	22
22	Production of serine protease inhibitors by mutagenesis and their effects on the mortality of <i>Aedes aegypti</i> L. larvae. <i>Parasites and Vectors</i> , 2015, 8, 511.	2.5	2
23	A Kazal-type inhibitor is modulated by <i>Trypanosoma cruzi</i> to control microbiota inside the anterior midgut of <i>Rhodnius prolixus</i> . <i>Biochimie</i> , 2015, 112, 41-48.	2.6	28
24	Cloning, Characterization and Anti-Inflammatory Properties of <i>Bothrops jararaca</i> Snake Antithrombin. <i>Protein and Peptide Letters</i> , 2015, 22, 410-418.	0.9	2
25	A Treatment with a Protease Inhibitor Recombinant from the Cattle Tick (<i>Rhipicephalus Boophilus</i>) Tj ETQq1 1 0.784314 rgBT /Overlook	2.5	26
26	An Insight into the Transcriptome of the Digestive Tract of the Bloodsucking Bug, <i>Rhodnius prolixus</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2594.	3.0	184
27	Rmcystatin3, a cysteine protease inhibitor from <i>Rhipicephalus microplus</i> hemocytes involved in immune response. <i>Biochimie</i> , 2014, 106, 17-23.	2.6	18
28	RmKK, a tissue kallikrein inhibitor from <i>Rhipicephalus microplus</i> eggs. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 69-73.	2.1	7
29	The anti-inflammatory action of <i>Bothrops jararaca</i> snake antithrombin on acute inflammation induced by carrageenan in mice. <i>Inflammation Research</i> , 2013, 62, 733-742.	4.0	2
30	Selective inhibitors of digestive enzymes from <i>Aedes aegypti</i> larvae identified by phage display. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 9-16.	2.7	8
31	Proteomic Analysis of the Ontogenetic Variability in Plasma Composition of Juvenile and Adult <i>Bothrops jararaca</i> Snakes. <i>International Journal of Proteomics</i> , 2013, 2013, 1-9.	2.0	10
32	Differential Expression Profiles in the Midgut of <i>Triatoma infestans</i> Infected with <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2013, 8, e61203.	2.5	39
33	Biochemical Aspects of a Serine Protease from <i>Caesalpinia echinata</i> Lam. (Brazilwood) Seeds: A Potential Tool to Access the Mobilization of Seed Storage Proteins. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	2.1	8
34	Expression and functional characterization of boophilin, a thrombin inhibitor from <i>Rhipicephalus (Boophilus) microplus</i> midgut. <i>Veterinary Parasitology</i> , 2012, 187, 521-528.	1.8	37
35	The Kazal-type inhibitors infestins 1 and 4 differ in specificity but are similar in three-dimensional structure. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 695-702.	2.5	24
36	Crystallization and preliminary crystallographic characterization of the N-terminal Kunitz domain of boophilin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 436-439.	0.7	3

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37	Molecular characterization of genes encoding trypsin-like enzymes from <i>Aedes aegypti</i> larvae and identification of digestive enzymes. <i>Gene</i> , 2011, 489, 70-75.	2.2	27
38	Characterization of thrombin inhibitory mechanism of rAaTI, a Kazal-type inhibitor from <i>Aedes aegypti</i> with anticoagulant activity. <i>Biochimie</i> , 2011, 93, 618-623.	2.6	22
39	Tigutcystatin, a cysteine protease inhibitor from <i>Triatoma infestans</i> midgut expressed in response to <i>Trypanosoma cruzi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 241-247.	2.1	14
40	The first serine protease inhibitor from <i>Lasiadora</i> sp. (Araneae: Theraphosidae) hemocytes. <i>Process Biochemistry</i> , 2011, 46, 2317-2321.	3.7	11
41	<i>Boophilus microplus</i> cathepsin L-like (BmCL1) cysteine protease: Specificity study using a peptide phage display library. <i>Veterinary Parasitology</i> , 2011, 181, 291-300.	1.8	20
42	Influence of the intestinal anticoagulant in the feeding performance of triatomine bugs (Hemiptera); Tj ETQqO 0 0 rgBT /Overlock 10 TF 5	3.1	15
43	Infestin 1R, an intestinal subtilisin inhibitor from <i>Triatoma infestans</i> able to impair mammalian cell invasion by <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , 2011, 129, 362-367.	1.2	5
44	A New Phage-Display Tumor-Homing Peptide Fused to Antiangiogenic Peptide Generates a Novel Bioactive Molecule with Antimelanoma Activity. <i>Molecular Cancer Research</i> , 2011, 9, 1471-1478.	3.4	34
45	Depletion of plasma albumin for proteomic analysis of <i>Bothrops jararaca</i> snake plasma. <i>Journal of Biomolecular Techniques</i> , 2011, 22, 67-73.	1.5	4
46	Validation of a Phage Display Method for Protease Inhibitor Selection Using SFTI and HiTI Synthetic Hybrid Peptides. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2010, 13, 829-835.	1.1	3
47	A novel melanoma-targeting peptide screened by phage display exhibits antitumor activity. <i>Journal of Molecular Medicine</i> , 2010, 88, 1255-1264.	3.9	29
48	Biochemical characterization of a Kunitz type inhibitor similar to dendrotoxins produced by <i>Rhipicephalus (Boophilus) microplus</i> (Acari: Ixodidae) hemocytes. <i>Veterinary Parasitology</i> , 2010, 167, 279-287.	1.8	25
49	Thrombin Inhibitors from Different Animals. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-9.	3.0	31
50	Characterization of proteinases from the midgut of <i>Rhipicephalus (Boophilus) microplus</i> involved in the generation of antimicrobial peptides. <i>Parasites and Vectors</i> , 2010, 3, 63.	2.5	42
51	A novel trypsin Kazal-type inhibitor from <i>Aedes aegypti</i> with thrombin coagulant inhibitory activity. <i>Biochimie</i> , 2010, 92, 933-939.	2.6	34
52	The first pacifastin elastase inhibitor characterized from a blood sucking animal. <i>Peptides</i> , 2010, 31, 1280-1286.	2.4	14
53	rBmTI-6, a Kunitz-BPTI domain protease inhibitor from the tick <i>Boophilus microplus</i> , its cloning, expression and biochemical characterization. <i>Veterinary Parasitology</i> , 2008, 155, 133-141.	1.8	31
54	BmSI-7, a novel subtilisin inhibitor from <i>Boophilus microplus</i> , with activity toward Pr1 proteases from the fungus <i>Metarhizium anisopliae</i> . <i>Experimental Parasitology</i> , 2008, 118, 214-220.	1.2	43

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55	Bothrops jararaca fibrinogen and its resistance to hydrolysis evoked by snake venoms. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 151, 428-432.	1.6	8
56	Cathepsin V, but not cathepsins L, B and K, may release angiostatin-like fragments from plasminogen. <i>Biological Chemistry</i> , 2008, 389, 195-200.	2.5	16
57	Characterization and comparative 3D modeling of CmPI-II, a novel "non-classical" Kazal-type inhibitor from the marine snail <i>Cenchritis muricatus</i> (Mollusca). <i>Biological Chemistry</i> , 2007, 388, 1183-94.	2.5	23
58	Purification and partial characterization of human neutrophil elastase inhibitors from the marine snail <i>Cenchritis muricatus</i> (Mollusca). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2007, 146, 506-513.	1.8	23
59	Brasiliensin: A novel intestinal thrombin inhibitor from <i>Triatoma brasiliensis</i> (Hemiptera: Reduviidae) with an important role in blood intake. <i>International Journal for Parasitology</i> , 2007, 37, 1351-1358.	3.1	51
60	An unexpected inhibitory activity of Kunitz-type serine proteinase inhibitor derived from <i>Boophilus microplus</i> trypsin inhibitor on cathepsin L. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 266-272.	2.1	16
61	Purification of a phospholipase A2 from <i>Lonomia obliqua</i> caterpillar bristle extract. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 1027-1033.	2.1	28
62	Bmcystatin, a cysteine proteinase inhibitor characterized from the tick <i>Boophilus microplus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 44-50.	2.1	43
63	The full-length cDNA of Anticoagulant protein infestin revealed a novel releasable Kazal domain, a neutrophil elastase inhibitor lacking anticoagulant activity. <i>Biochimie</i> , 2006, 88, 673-681.	2.6	43
64	Ixodidin, a novel antimicrobial peptide from the hemocytes of the cattle tick <i>Boophilus microplus</i> with inhibitory activity against serine proteinases. <i>Peptides</i> , 2006, 27, 667-674.	2.4	116
65	The role of HiTI, a serine protease inhibitor from <i>Haematobia irritans irritans</i> (Diptera: Muscidae) in the control of fly and bacterial proteases. <i>Experimental Parasitology</i> , 2005, 111, 30-36.	1.2	12
66	Cloning, expression and characterization of <i>Bauhinia variegata</i> trypsin inhibitor BvTI. <i>Biological Chemistry</i> , 2005, 386, 1185-9.	2.5	11
67	Purification, characterization, and cloning of a serine proteinase inhibitor from the ectoparasite <i>Haematobia irritans irritans</i> (Diptera: Muscidae). <i>Experimental Parasitology</i> , 2004, 106, 103-109.	1.2	15
68	Crystallization, data collection and phasing of infestin 4, a factor XIIa inhibitor. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 2051-2053.	2.5	7
69	<i>Boophilus microplus</i> tick larvae, a rich source of Kunitz type serine proteinase inhibitors. <i>Biochimie</i> , 2004, 86, 643-649.	2.6	49
70	Identification and characterization of a novel factor XIIa inhibitor in the hematophagous insect, <i>Triatoma infestans</i> (Hemiptera: Reduviidae). <i>FEBS Letters</i> , 2004, 577, 512-516.	2.8	64
71	Characterization of <i>Bothrops jararaca</i> coagulation inhibitor (BjI) and presence of similar protein in plasma of other animals. <i>Toxicon</i> , 2004, 44, 289-294.	1.6	10
72	Effect of invertebrate serine proteinase inhibitors on carrageenan-induced pleural exudation and bradykinin release. <i>International Immunopharmacology</i> , 2004, 4, 1401-1408.	3.8	4

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73	Evaluation of phage display system and leech-derived trypsin inhibitor as a tool for understanding the serine proteinase specificities. <i>Archives of Biochemistry and Biophysics</i> , 2004, 425, 87-94.	3.0	18
74	Molecular evolution of Bowman-Birk type proteinase inhibitors in flowering plants. <i>Molecular Phylogenetics and Evolution</i> , 2003, 27, 103-112.	2.7	70
75	<i>Rhipicephalus sanguineus</i> trypsin inhibitors present in the tick larvae: isolation, characterization, and partial primary structure determination. <i>Archives of Biochemistry and Biophysics</i> , 2003, 417, 176-182.	3.0	24
76	A new blood coagulation inhibitor from the snake <i>Bothrops jararaca</i> plasma: isolation and characterization. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 706-712.	2.1	18
77	BmTI antigens induce a bovine protective immune response against <i>Boophilus microplus</i> tick. <i>International Immunopharmacology</i> , 2002, 2, 557-563.	3.8	68
78	Infestin, a thrombin inhibitor presents in <i>Triatoma infestans</i> midgut, a Chagas' disease vector: gene cloning, expression and characterization of the inhibitor. <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 991-997.	2.7	83
79	Triapsin, an unusual activatable serine protease from the saliva of the hematophagous vector of Chagas' disease <i>Triatoma infestans</i> (Hemiptera: Reduviidae). <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 465-472.	2.7	52
80	Serine proteinase inhibitors from eggs and larvae of tick <i>Boophilus microplus</i> : purification and biochemical characterization. <i>The Protein Journal</i> , 2001, 20, 337-343.	1.1	25
81	Purification of porcine plasma factor VIII using chromatographic methods. <i>Biotechnology Letters</i> , 2000, 22, 257-260.	2.2	4
82	Purification and characterization of a trypsin-like enzyme with fibrinolytic activity present in the abdomen of horn fly, <i>Haematobia irritans irritans</i> (Diptera: Muscidae). <i>The Protein Journal</i> , 2000, 19, 515-521.	1.1	24
83	A double headed serine proteinase inhibitor " human plasma kallikrein and elastase inhibitor " from <i>Boophilus microplus</i> larvae. <i>Immunopharmacology</i> , 1999, 45, 171-177.	2.0	72
84	Functional phage display of leech-derived trypsin inhibitor (LDTI): construction of a library and selection of thrombin inhibitors. <i>FEBS Letters</i> , 1999, 458, 11-16.	2.8	37
85	Purification and Primary Structure Determination of a Bowman-Birk Trypsin Inhibitor from <i>Torresea cearensis</i> Seeds. <i>Biological Chemistry</i> , 1997, 378, 273-81.	2.5	36
86	Sequence of a new Bowman-Birk inhibitor from <i>Torresea acreana</i> seeds and comparison with <i>Torresea cearensis</i> trypsin inhibitor (TcTI2). <i>The Protein Journal</i> , 1996, 15, 553-560.	1.1	12
87	<i>Bauhinia</i> serine proteinase inhibitors: effect on factor X, factor XII and plasma kallikrein. <i>Immunopharmacology</i> , 1996, 32, 85-87.	2.0	26
88	Plant serine proteinase inhibitors. Structure and biochemical applications on plasma kallikrein and related enzymes. <i>Immunopharmacology</i> , 1996, 32, 62-66.	2.0	36
89	Functional Display and Expression of Chicken Cystatin Using a Phagemid System. <i>Biochemical and Biophysical Research Communications</i> , 1995, 214, 389-395.	2.1	19