

Adriana K Carmona

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153
papers

3,199
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h-index

47
g-index

156
ext. papers

3,554
ext. citations

4.7
avg, IF

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L-index

#	Paper	IF	Citations
153	Aerobic exercise training-induced left ventricular hypertrophy involves regulatory MicroRNAs, decreased angiotensin-converting enzyme-angiotensin ii, and synergistic regulation of angiotensin-converting enzyme 2-angiotensin (1-7). <i>Hypertension</i> , 2011 , 58, 182-9	8.5	161
152	Chlorhexidine inhibits the activity of dental cysteine cathepsins. <i>Journal of Dental Research</i> , 2012 , 91, 420-5	8.1	145
151	Peptidase specificity characterization of C- and N-terminal catalytic sites of angiotensin I-converting enzyme. <i>Biochemistry</i> , 2000 , 39, 8519-25	3.2	140
150	Proteolytic processing of osteopontin by PHEX and accumulation of osteopontin fragments in Hyp mouse bone, the murine model of X-linked hypophosphatemia. <i>Journal of Bone and Mineral Research</i> , 2013 , 28, 688-99	6.3	89
149	Human recombinant endopeptidase PHEX has a strict S1Tspecificity for acidic residues and cleaves peptides derived from fibroblast growth factor-23 and matrix extracellular phosphoglycoprotein. <i>Biochemical Journal</i> , 2003 , 373, 271-9	3.8	89
148	Positional-scanning combinatorial libraries of fluorescence resonance energy transfer peptides to define substrate specificity of carboxydipeptidases: assays with human cathepsin B. <i>Analytical Biochemistry</i> , 2004 , 335, 244-52	3.1	79
147	ACE2-angiotensin-(1-7)-Mas axis in renal ischaemia/reperfusion injury in rats. <i>Clinical Science</i> , 2010 , 119, 385-94	6.5	75
146	Crystal structure of cathepsin X: a flip-flop of the ring of His23 allows carboxy-monopeptidase and carboxy-dipeptidase activity of the protease. <i>Structure</i> , 2000 , 8, 305-13	5.2	72
145	A continuous fluorescence resonance energy transfer angiotensin I-converting enzyme assay. <i>Nature Protocols</i> , 2006 , 1, 1971-6	18.8	71
144	Sex Hormones Promote Opposite Effects on ACE and ACE2 Activity, Hypertrophy and Cardiac Contractility in Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2015 , 10, e0127515	3.7	68
143	Biochemical characterization of human cathepsin X revealed that the enzyme is an exopeptidase, acting as carboxy-monopeptidase or carboxydipeptidase. <i>FEBS Journal</i> , 2000 , 267, 5404-12		66
142	S3 to S3Tsubsite specificity of recombinant human cathepsin K and development of selective internally quenched fluorescent substrates. <i>Biochemical Journal</i> , 2003 , 373, 981-6	3.8	54
141	Comparative substrate specificity analysis of recombinant human cathepsin V and cathepsin L. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 430, 274-83	4.1	51
140	A continuous fluorescent assay for the determination of plasma and tissue angiotensin I-converting enzyme activity. <i>Brazilian Journal of Medical and Biological Research</i> , 2005 , 38, 861-8	2.8	50
139	Cathepsin X binds to cell surface heparan sulfate proteoglycans. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 436, 323-32	4.1	46
138	Expression and localization of N-domain ANG I-converting enzymes in mesangial cells in culture from spontaneously hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 290, F364-75	4.3	44
137	Phenolic compounds in raw and cooked rice (<i>Oryza sativa</i> L.) and their inhibitory effect on the activity of angiotensin I-converting enzyme. <i>Journal of Cereal Science</i> , 2011 , 54, 236-240	3.8	42

136	Structure and function of disease-causing missense mutations in the PHEX gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 2213-22	5.6	41
135	A high-throughput fluorimetric assay for angiotensin I-converting enzyme. <i>Nature Protocols</i> , 2006 , 1, 1961-4	18.8	40
134	Cathepsin X is secreted by human osteoblasts, digests CXCL-12 and impairs adhesion of hematopoietic stem and progenitor cells to osteoblasts. <i>Haematologica</i> , 2010 , 95, 1452-60	6.6	39
133	The N domain of somatic angiotensin-converting enzyme negatively regulates ectodomain shedding and catalytic activity. <i>Biochemical Journal</i> , 2005 , 389, 739-44	3.8	39
132	Cytosolic flagellin-induced lysosomal pathway regulates inflammasome-dependent and -independent macrophage responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3321-30	11.5	38
131	Characterization of an exocellular serine-thiol proteinase activity in <i>Paracoccidioides brasiliensis</i> . <i>Biochemical Journal</i> , 1995 , 309 (Pt 1), 209-14	3.8	38
130	Cathepsin B carboxydipeptidase specificity analysis using internally quenched fluorescent peptides. <i>Biochemical Journal</i> , 2002 , 368, 365-9	3.8	36
129	Purification and characterization of angiotensin I-converting enzymes from mesangial cells in culture. <i>Journal of Hypertension</i> , 1998 , 16, 2063-74	1.9	34
128	Characterization of thimet oligopeptidase and neurolysin activities in B16F10-Nex2 tumor cells and their involvement in angiogenesis and tumor growth. <i>Molecular Cancer</i> , 2007 , 6, 44	42.1	33
127	Inhibition of malaria parasite <i>Plasmodium falciparum</i> development by crotamine, a cell penetrating peptide from the snake venom. <i>Peptides</i> , 2016 , 78, 11-6	3.8	32
126	ACE activity is modulated by kinin B2 receptor. <i>Hypertension</i> , 2008 , 51, 689-95	8.5	32
125	High sucrose intake in rats is associated with increased ACE2 and angiotensin-(1-7) levels in the adipose tissue. <i>Regulatory Peptides</i> , 2010 , 162, 61-7		31
124	Tissue-specific renin-angiotensin system in pulmonary lymphangioliomyomatosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006 , 35, 40-7	5.7	31
123	Recombinant expression, purification, and functional analysis of two novel cystatins from sugarcane (<i>Saccharum officinarum</i>). <i>Protein Expression and Purification</i> , 2006 , 47, 483-9	2	30
122	Positional-scanning combinatorial libraries of fluorescence resonance energy transfer peptides for defining substrate specificity of the angiotensin I-converting enzyme and development of selective C-domain substrates. <i>Biochemistry</i> , 2004 , 43, 15729-36	3.2	30
121	Glycosaminoglycans affect the action of human plasma kallikrein on kininogen hydrolysis and inflammation. <i>International Immunopharmacology</i> , 2002 , 2, 1861-5	5.8	30
120	Angiotensin II binding to angiotensin I-converting enzyme triggers calcium signaling. <i>Hypertension</i> , 2011 , 57, 965-72	8.5	29
119	Structure of cruzipain/cruzain inhibitors isolated from <i>Bauhinia bauhinioides</i> seeds. <i>Biological Chemistry</i> , 2001 , 382, 847-52	4.5	28

118	Recombinant human cathepsin X is a carboxymonopeptidase only: a comparison with cathepsins B and L. <i>Biological Chemistry</i> , 2005 , 386, 1191-5	4.5	26
117	Inhibitory selectivity of canecystatin: a recombinant cysteine peptidase inhibitor from sugarcane. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 320, 1082-6	3.4	25
116	Human recombinant membrane-bound aminopeptidase P: production of a soluble form and characterization using novel, internally quenched fluorescent substrates. <i>Biochemical Journal</i> , 2005 , 385, 389-97	3.8	24
115	Characterization of arazyme, an exocellular metalloprotease isolated from <i>Serratia proteamaculans</i> culture medium. <i>Enzyme and Microbial Technology</i> , 2005 , 37, 574-581	3.8	24
114	Plasma Kallikrein and Angiotensin I-converting enzyme N- and C-terminal domain activities are modulated by the insertion/deletion polymorphism. <i>Neuropeptides</i> , 2010 , 44, 139-43	3.3	23
113	Immunochemical and biological characterization of monoclonal antibodies against BaP1, a metalloproteinase from <i>Bothrops asper</i> snake venom. <i>Toxicon</i> , 2010 , 56, 1059-65	2.8	22
112	A proteinase inhibitor from <i>Caesalpinia echinata</i> (pau-brasil) seeds for plasma kallikrein, plasmin and factor XIIIa. <i>Biological Chemistry</i> , 2004 , 385, 1083-6	4.5	22
111	Carboxydipeptidase activities of recombinant cysteine peptidases. Cruzain of <i>Trypanosoma cruzi</i> and CPB of <i>Leishmania mexicana</i> . <i>FEBS Journal</i> , 2004 , 271, 1046-53		22
110	Internally quenched fluorogenic substrates for angiotensin I-converting enzyme. <i>Journal of Hypertension</i> , 1999 , 17, 665-72	1.9	22
109	Angiotensin Converting Enzyme Regulates Cell Proliferation and Migration. <i>PLoS ONE</i> , 2016 , 11, e0165337	3.7	22
108	Intracellular proteolysis of kininogen by malaria parasites promotes release of active kinins. <i>Malaria Journal</i> , 2012 , 11, 156	3.6	21
107	Leptin regulates ACE activity in mice. <i>Journal of Molecular Medicine</i> , 2010 , 88, 899-907	5.5	21
106	Inhibitory effect of the sugarcane cystatin CaneCPI-4 on cathepsins B and L and human breast cancer cell invasion. <i>Biological Chemistry</i> , 2008 , 389, 447-53	4.5	21
105	<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	2.8	20
104	Role of the kallikrein-kinin system in Ang-(1-7)-induced vasodilation in mesenteric arterioles of Wistar rats studied in vivo-in situ. <i>Peptides</i> , 2006 , 27, 1770-5	3.8	20
103	Expression, refolding, and in vitro activation of a recombinant snake venom pro-metalloprotease. <i>Protein Expression and Purification</i> , 2003 , 28, 34-41	2	19
102	Cathepsin X cleaves the beta2 cytoplasmic tail of LFA-1 inducing the intermediate affinity form of LFA-1 and alpha-actinin-1 binding. <i>European Journal of Immunology</i> , 2009 , 39, 3217-27	6.1	18
101	Production of a His-tagged canecystatin in transgenic sugarcane and subsequent purification. <i>Biotechnology Progress</i> , 2008 , 24, 1060-6	2.8	18

100	Heparin modulation of human plasma kallikrein on different substrates and inhibitors. <i>Biological Chemistry</i> , 2006 , 387, 1129-38	4.5	18
99	Nepriylsin carboxydiptidase specificity studies and improvement in its detection with fluorescence energy transfer peptides. <i>Biological Chemistry</i> , 2007 , 388, 447-55	4.5	18
98	PnPP-19, a spider toxin peptide, induces peripheral antinociception through opioid and cannabinoid receptors and inhibition of neutral endopeptidase. <i>British Journal of Pharmacology</i> , 2016 , 173, 1491-501	8.6	18
97	ANG-(3-4) inhibits renal Na ⁺ -ATPase in hypertensive rats through a mechanism that involves dissociation of ANG II receptors, heterodimers, and PKA. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F855-63	4.3	17
96	Characterization of recombinant human cathepsin B expressed at high levels in baculovirus. <i>Protein Science</i> , 1998 , 7, 2033-7	6.3	17
95	Characterization of two cysteine proteinases secreted by <i>Fasciola hepatica</i> and demonstration of their kininogenase activity. <i>Molecular and Biochemical Parasitology</i> , 2001 , 116, 109-15	1.9	17
94	Calcium channel blockers as inhibitors of angiotensin I-converting enzyme. <i>Hypertension</i> , 1995 , 26, 1145-50	8.5	17
93	The use of Fluorescence Resonance Energy Transfer (FRET) peptides for measurement of clinically important proteolytic enzymes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009 , 81, 381-92	1.4	17
92	The chronic blockade of angiotensin I-converting enzyme eliminates the sex differences of serum cytokine levels of spontaneously hypertensive rats. <i>Brazilian Journal of Medical and Biological Research</i> , 2013 , 46, 171-7	2.8	16
91	Digestive physiology and characterization of digestive cathepsin L-like proteinase from the sugarcane weevil <i>Sphenophorus levis</i> . <i>Journal of Insect Physiology</i> , 2011 , 57, 462-8	2.4	16
90	Exposure of luminal membranes of LLC-PK1 cells to ANG II induces dimerization of AT1/AT2 receptors to activate SERCA and to promote Ca ²⁺ mobilization. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, F875-83	4.3	16
89	Detection of the basement membrane-degrading proteolytic activity of <i>Paracoccidioides brasiliensis</i> after SDS-PAGE using agarose overlays containing Abz-MKALTLQ-EDDnp. <i>Brazilian Journal of Medical and Biological Research</i> , 1999 , 32, 645-9	2.8	16
88	Isolation and characterization of a new bradykinin potentiating octapeptide from gamma-casein. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995 , 73, 85-91	2.4	16
87	Role of chymase in diabetic nephropathy. <i>Experimental Biology and Medicine</i> , 2012 , 237, 985-92	3.7	15
86	Cathepsin V, but not cathepsins L, B and K, may release angiostatin-like fragments from plasminogen. <i>Biological Chemistry</i> , 2008 , 389, 195-200	4.5	15
85	Sympathetic and renin-angiotensin systems contribute to increased blood pressure in sucrose-fed rats. <i>American Journal of Hypertension</i> , 2007 , 20, 692-8	2.3	15
84	A possible alternative mechanism of kinin generation in vivo by cathepsin L. <i>Biological Chemistry</i> , 2005 , 386, 699-704	4.5	15
83	Angiotensin I-converting enzyme isoforms (high and low molecular weight) in urine of premature and full-term infants. <i>Hypertension</i> , 2000 , 35, 1284-90	8.5	15

82	ACE activity is modulated by the enzyme β -galactosidase A. <i>Journal of Molecular Medicine</i> , 2011 , 89, 65-74	5.5	14
81	Improvement of cathepsin S detection using a designed FRET peptide based on putative natural substrates. <i>Peptides</i> , 2010 , 31, 562-7	3.8	14
80	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, 266-72	3.4	14
79	Inhibition of angiotensin converting enzyme and potentiation of bradykinin by retro-inverso analogues of short peptides and sequences related to angiotensin I and bradykinin. <i>Biochemical Pharmacology</i> , 1996 , 51, 1051-60	6	14
78	Hypervalent organotellurium compounds as inhibitors of <i>P. falciparum</i> calcium-dependent cysteine proteases. <i>Parasitology International</i> , 2016 , 65, 20-22	2.1	13
77	Substrate specificity studies of the cysteine peptidases falcipain-2 and falcipain-3 from <i>Plasmodium falciparum</i> and demonstration of their kininogenase activity. <i>Molecular and Biochemical Parasitology</i> , 2013 , 187, 111-6	1.9	13
76	Effects of light exposure, pH, osmolarity, and solvent on the retinal pigment epithelial toxicity of vital dyes. <i>American Journal of Ophthalmology</i> , 2013 , 155, 705-12, 712.e1	4.9	13
75	Carbamazepine inhibits angiotensin I-converting enzyme, linking it to the pathogenesis of temporal lobe epilepsy. <i>Translational Psychiatry</i> , 2012 , 2, e93	8.6	13
74	A scrutiny of the biochemical pathways from Ang II to Ang-(3-4) in renal basolateral membranes. <i>Regulatory Peptides</i> , 2009 , 158, 47-56		13
73	Determination of angiotensin I-converting enzyme activity in cell culture using fluorescence resonance energy transfer peptides. <i>Analytical Biochemistry</i> , 2007 , 363, 255-62	3.1	13
72	Thimet oligopeptidase EC 3.4.24.15 is a major liver kininase. <i>Life Sciences</i> , 2000 , 67, 509-20	6.8	13
71	Inhibition of <i>Plasmodium falciparum</i> cysteine proteases by the sugarcane cystatin CaneCPI-4. <i>Parasitology International</i> , 2018 , 67, 233-236	2.1	12
70	Characterization of the M32 metallocarboxypeptidase of <i>Trypanosoma brucei</i> : differences and similarities with its orthologue in <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2012 , 184, 63-70	1.9	12
69	Human tissue kallikreins 3 and 5 can act as plasminogen activator releasing active plasmin. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 433, 333-7	3.4	12
68	Glycosaminoglycans affect the interaction of human plasma kallikrein with plasminogen, factor XII and inhibitors. <i>Brazilian Journal of Medical and Biological Research</i> , 2003 , 36, 1055-9	2.8	12
67	The effect of post-translational modifications on the hemorrhagic activity of snake venom metalloproteinases. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2004 , 138, 23-32	3.2	12
66	N-domain angiotensin-converting enzyme isoform expression in tissues of Wistar and spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2005 , 23, 1869-78	1.9	12
65	Recombinant expression and characterization of a <i>Xylella fastidiosa</i> cysteine protease differentially expressed in a nonpathogenic strain. <i>FEMS Microbiology Letters</i> , 2006 , 261, 187-93	2.9	11

64	Characterization of four substrates emphasizes kinetic similarity between insect and human C-domain angiotensin-converting enzyme. <i>FEBS Journal</i> , 2002 , 269, 3522-30		11
63	KBE009: An antimalarial bestatin-like inhibitor of the Plasmodium falciparum M1 aminopeptidase discovered in an Ugi multicomponent reaction-derived peptidomimetic library. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 4628-4636	3.4	10
62	Analogues containing the paramagnetic amino acid TOAC as substrates for angiotensin I-converting enzyme. <i>FEBS Letters</i> , 2007 , 581, 2411-5	3.8	10
61	Melanoma heterogeneity: differential, invasive, metastatic properties and profiles of cathepsin B, D and L activities in subclones of the B16F10-NEX2 cell line. <i>Melanoma Research</i> , 2004 , 14, 333-44	3.3	10
60	Characterization of a Recombinant Cathepsin B-Like Cysteine Peptidase from Diaphorina citri Kuwayama (Hemiptera: Liviidae): A Putative Target for Control of Citrus Huanglongbing. <i>PLoS ONE</i> , 2015 , 10, e0145132	3.7	9
59	Cysteine cathepsin S processes leptin, inactivating its biological activity. <i>Journal of Endocrinology</i> , 2012 , 214, 217-24	4.7	9
58	Plasma prekallikrein/kallikrein processing by lysosomal cysteine proteases. <i>Biological Chemistry</i> , 2004 , 385, 1087-91	4.5	9
57	Characterization of a prolyl endopeptidase (kininase) from human urine using fluorogenic quenched substrates. <i>International Journal of Biochemistry and Cell Biology</i> , 2000 , 32, 1161-72	5.6	9
56	Plasmodium falciparum proteases hydrolyze plasminogen, generating angiostatin-like fragments. <i>Molecular and Biochemical Parasitology</i> , 2014 , 193, 45-54	1.9	8
55	Determination of angiotensin I-converting enzyme activity in equine blood: lack of agreement between methods of analysis. <i>Journal of Veterinary Science</i> , 2011 , 12, 21-5	1.6	8
54	Involvement of heparan sulfate proteoglycans in cellular uptake of high molecular weight kininogen. <i>Biological Chemistry</i> , 2009 , 390, 145-55	4.5	8
53	Defining the substrate specificity of mouse cathepsin P. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 435, 190-6	4.1	8
52	Modulation of the exocellular serine-thiol proteinase activity of Paracoccidioides brasiliensis by neutral polysaccharides. <i>Microbes and Infection</i> , 2006 , 8, 84-91	9.3	8
51	Angiotensin I-converting enzyme inhibitor peptides derived from the endostatin-containing NC1 fragment of human collagen XVIII. <i>Biological Chemistry</i> , 2006 , 387, 611-6	4.5	8
50	Liver bradykinin-inactivating-endopeptidase is similar to the metalloendopeptidase (EC 3.4.24.15). <i>Immunopharmacology</i> , 1996 , 32, 176-9		8
49	High aminopeptidase A activity contributes to blood pressure control in mice by AT receptor-dependent mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H437-H445	5.2	7
48	Corneal angiogenesis modulation by cysteine cathepsins: In vitro and in vivo studies. <i>Experimental Eye Research</i> , 2015 , 134, 39-46	3.7	7
47	Leishmanicidal and Immunomodulatory Activities of the Palladacycle Complex DPPE 1.1, a Potential Candidate for Treatment of Cutaneous Leishmaniasis. <i>Frontiers in Microbiology</i> , 2018 , 9, 1427	5.7	7

46	Improvement of antimalarial activity of a 3-alkylpyridine alkaloid analog by replacing the pyridine ring to a thiazole-containing heterocycle: Mode of action, mutagenicity profile, and Caco-2 cell-based permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 138, 105015	5.1	7
45	Malaria infection promotes a selective expression of kinin receptors in murine liver. <i>Malaria Journal</i> , 2019 , 18, 213	3.6	7
44	Myelopoiesis modulation by ACE hyperfunction in kinin B(1) receptor knockout mice: relationship with AcSDKP levels. <i>Chemico-Biological Interactions</i> , 2010 , 184, 388-95	5	7
43	Characterization of thimet- and neurolysin-like activities in Escherichia coli M 3 A peptidases and description of a specific substrate. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 441, 25-34	4.1	7
42	Paracoccidioides brasiliensis 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	6
41	A natural bacterial-derived product, the metalloprotease arazyme, inhibits metastatic murine melanoma by inducing MMP-8 cross-reactive antibodies. <i>PLoS ONE</i> , 2014 , 9, e96141	3.7	6
40	Plasminogen hydrolysis by cathepsin S and identification of derived peptides as selective substrate for cathepsin V and cathepsin L inhibitor. <i>Biological Chemistry</i> , 2010 , 391, 561-70	4.5	6
39	Biochemical characterization of a cysteine proteinase from Bauhinia forficata leaves and its kininogenase activity. <i>Process Biochemistry</i> , 2011 , 46, 572-578	4.8	6
38	Índice de dissincronia ventricular: comparaçã com a fraçã de ejeçã bidimensional e tridimensional. <i>Arquivos Brasileiros De Cardiologia</i> , 2008 , 91, 156-162	1.2	6
37	Purification and characterization of a neutral endopeptidase-like enzyme from human urine. <i>Journal of Hypertension</i> , 1998 , 16, 1971-8	1.9	6
36	Recombinant expression and characterization of a cysteine peptidase from Xanthomonas citri subsp citri. <i>Genetics and Molecular Research</i> , 2012 , 11, 4043-57	1.2	6
35	The effect of structural motifs on the ectodomain shedding of human angiotensin-converting enzyme. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 481, 111-116	3.4	5
34	Expression and inactivation of osteopontin-degrading PHEX enzyme in squamous cell carcinoma. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 77, 155-164	5.6	5
33	Heparin affects the interaction of kininogen on endothelial cells. <i>Biochimie</i> , 2011 , 93, 1839-45	4.6	5
32	Kinetic characterization of the Escherichia coli oligopeptidase A (OpdA) and the role of the Tyr(607) residue. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 500, 131-6	4.1	5
31	Interactions between carboxypeptidase M and kinin B1 receptor in endothelial cells. <i>Inflammation Research</i> , 2019 , 68, 845-855	7.2	4
30	Specific calpain activity evaluation in Plasmodium parasites. <i>Analytical Biochemistry</i> , 2015 , 468, 22-7	3.1	4
29	Recombinant expression, characterization and phylogenetic studies of novels cystatins-like proteins of sweet orange (Citrus sinensis) and clementine (Citrus clementina). <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 546-553	7.9	4

28	Substrate specificity profiling of M32 metalloproteases from <i>Trypanosoma cruzi</i> and <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2018 , 219, 10-16	1.9	4
27	Catalytic properties of recombinant dipeptidyl carboxypeptidase from <i>Escherichia coli</i> : a comparative study with angiotensin I-converting enzyme. <i>Biological Chemistry</i> , 2009 , 390, 931-40	4.5	4
26	Angiotensin I-converting enzyme (ACE) activity and expression in rat central nervous system after sleep deprivation. <i>Biological Chemistry</i> , 2011 , 392, 547-53	4.5	4
25	Extreme subcutaneous, intramuscular and inhaled insulin resistance treated by pancreas transplantation alone. <i>American Journal of Transplantation</i> , 2010 , 10, 184-8	8.7	4
24	The critical interaction of the metalloprotease PHEX with heparan sulfate proteoglycans. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 2781-92	5.6	4
23	Characterization of a kinin inactivating serine endopeptidase H2 (kininase) from human urine using fluorogenic substrates. <i>Immunopharmacology</i> , 1999 , 45, 223-8		4
22	Conformational Properties of Seven Toac-Labeled Angiotensin I Analogues Correlate with Their Muscle Contraction Activity and Their Ability to Act as ACE Substrates. <i>PLoS ONE</i> , 2015 , 10, e0136608	3.7	4
21	TLR4-mediated immunomodulatory properties of the bacterial metalloprotease arzyme in preclinical tumor models. <i>Oncotarget</i> , 2016 , 5, e1178420	7.2	4
20	Sugarcane cystatins: From discovery to biotechnological applications. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 676-686	7.9	4
19	Paramagnetic bradykinin analogues as substrates for angiotensin I-converting enzyme: Pharmacological and conformation studies. <i>Bioorganic Chemistry</i> , 2016 , 69, 159-166	5.1	3
18	Calmidazolium evokes high calcium fluctuations in <i>Plasmodium falciparum</i> . <i>Cellular Signalling</i> , 2016 , 28, 125-135	4.9	3
17	Association between circulating angiotensin-converting enzyme and exercise-induced pulmonary haemorrhage in Thoroughbred racehorses. <i>Research in Veterinary Science</i> , 2012 , 93, 993-4	2.5	3
16	Identification of a metalloprotease with TOP-like activity in <i>Paracoccidioides brasiliensis</i> , with increased expression in a virulent strain. <i>Medical Mycology</i> , 2012 , 50, 81-90	3.9	3
15	Spectroscopic and structural analysis of somatic and N-domain angiotensin I-converting enzyme isoforms from mesangial cells from Wistar and spontaneously hypertensive rats. <i>International Journal of Biological Macromolecules</i> , 2010 , 47, 238-43	7.9	3
14	Potent and selective inhibitors for M32 metalloproteases identified from high-throughput screening of anti-kinetoplastid chemical boxes. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007560	4.8	2
13	C-Npys (S-3-nitro-2-pyridinesulfonyl) and peptide derivatives can inhibit a serine-thiol proteinase activity from <i>Paracoccidioides brasiliensis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 1000-5	3.4	2
12	Over expression of the selectable marker blasticidin S deaminase gene is toxic to human keratinocytes and murine BALB/MK cells. <i>BMC Biotechnology</i> , 2004 , 4, 29	3.5	2
11	Specificity comparison of a serine endopeptidase (SH1) and a serine thiol endopeptidase (STH2) purified from human urine. <i>International Journal of Biochemistry and Cell Biology</i> , 2004 , 36, 1933-44	5.6	2

10	Cloning and expression of a functionally active truncated N-glycosylated KSHV ORF4/KCP/kaposica in the methylotrophic yeast <i>Pichia pastoris</i> . <i>Annals of the New York Academy of Sciences</i> , 2005 , 1056, 388-404	6.5	2
9	Characterization of angiotensin I-converting enzyme N-domain selectivity using positional-scanning combinatorial libraries of fluorescence resonance energy transfer peptides. <i>Biological Chemistry</i> , 2012 , 393, 1547-54	4.5	1
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7	<i>Plasmodium falciparum</i> histidine triad protein and calmodulin modulates calcium homeostasis and intracellular proteolysis. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 722-728	3.4	1
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1	Expression of the selectable marker gene <i>bsrm</i> in BALB/MK cells induces apoptosis by overproduction of hydrogen peroxide. <i>Biochemistry and Cell Biology</i> , 2007 , 85, 573-81	3.6	