Ivarne L S Tersariol

List of Publications by Year
in descending order

122	4,125	182225	139680
papers	citations	30 h-index	61 g-index

129	129	129	5139
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of FKBP12-Derived Intracellular Peptides on Rapamycin-Induced FKBPâ€“FRB Interaction and Autophagy. Cells, 2022, 11, 385.	1.8	7
2	Control of Ca2+ and metabolic homeostasis by the Na+/Ca2+ exchangers (NCXs) in health and disease. Biochemical Pharmacology, 2022, 203, 115163.	2.0	6
3	Neuroprotective effect of heparin Trisulfated disaccharide on ischemic stroke. Glycoconjugate Journal, 2021, 38, 35-43.	1.4	0
4	The Quorum Sensing Auto-Inducer 2 (AI-2) Stimulates Nitrogen Fixation and Favors Ethanol Production over Biomass Accumulation in Zymomonas mobilis. International Journal of Molecular Sciences, 2021, 22, 5628.	1.8	3
5	Endocytosis and the Participation of Glycosaminoglycans Are Important to the Mechanism of Cell Death Induced by Î²-Hairpin Antimicrobial Peptides. ACS Applied Bio Materials, 2021, 4, 6488-6501.	2.3	2
6	Diagnostic Accuracy of Serum Hyaluronan for Detecting HCV Infection and Liver Fibrosis in Asymptomatic Blood Donors. Molecules, 2021, 26, 3892.	1.7	5
7	A new heparin fragment decreases liver ischemia-reperfusion injury. Hepatobiliary and Pancreatic Diseases International, 2021, , .	0.6	1
8	Semysinthetic biflavonoid Morelloflavone-7,4â€²,7â€³,3â€´,4â€´-penta-O-butanoyl is a more potent inhibitor of Proprotein Convertases Subtilisin/Kexin PC1/3 than Kex2 and Furin. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 130016.	1.1	1
9	Laser Photobiomodulation 808Ânm: Effects on Gene Expression in Inflammatory and Osteogenic Biomarkers in Human Dental Pulp Stem Cells. Frontiers in Pharmacology, 2021, 12, 782095.	1.6	8
10	AMPK activation induced by promethazine increases NOXA expression and Beclin-1 phosphorylation and drives autophagy-associated apoptosis in chronic myeloid leukemia. Chemico-Biological Interactions, 2020, 315, 108888.	1.7	19
11	Insights into cathepsin-B activity in mature dentin matrix. Archives of Oral Biology, 2020, 117, 104830.	0.8	5
12	BRAF and NRAS mutated melanoma: Different Ca2+ responses, Na+/Ca2+ exchanger expression, and sensitivity to inhibitors. Cell Calcium, 2020, 90, 102241.	1.1	10
13	Recombinant expression, characterization and phylogenetic studies of novels cystatins-like proteins of sweet orange (Citrus sinensis) and clementine (Citrus clementina). International Journal of Biological Macromolecules, 2020, 152, 546-553.	3.6	6
14	The interaction of sodium trimetaphosphate with collagen I induces conformational change and mineralization that prevents collagenase proteolytic attack. Dental Materials, 2020, 36, e184-e193.	1.6	4
15	Abstract 202: In Vitro Effect of Trisulfate Disaccharide on ICa (L-type), INa, IK, and the Na/Ca Exchange Current Recorded From Rat Ventricular Myocytes by Patch Clamp. Circulation Research, 2020, 127, .	2.0	0
16	Plasma kallikreinâ€kinin system contributes to peripheral inflammation in temporal lobe epilepsy. Journal of Neurochemistry, 2019, 150, 296-311.	2.1	12
17	Na+/Ca2+ exchangers: Unexploited opportunities for cancer therapy?. Biochemical Pharmacology, 2019, 163, 357-361.	2.0	22
18	Oxidative stress induced by self-adhesive resin cements affects gene expression, cellular proliferation and mineralization potential of the MDPC-23 odontoblast-like cells. Dental Materials, 2019, 35, 606-616.	1.6	7

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19	The Self-Assembling Peptide P₁₁-4 Prevents Collagen Proteolysis in Dentin. Journal of Dental Research, 2019, 98, 347-354.	2.5	18
20	Heparan sulfate proteoglycan deficiency upâ€regulates the intracellular production of nitric oxide in Chinese hamster ovary cell lines. Journal of Cellular Physiology, 2018, 233, 3176-3194.	2.0	8
21	The Molecular weight of heparin fragments interferes with the protection of the hepatocyte subjected to injury by ischemia and reperfusion. Hpb, 2018, 20, S480.	0.1	0
22	THE M-RNA, EXPRESSION OF SERCA2 AND NCX1 IN THE PROCESS OF PHARMACOLOGICAL CELL PROTECTION IN EXPERIMENTAL ACUTE PANCREATITIS INDUCED BY TAUROCHOLATE. Arquivos Brasileiros De Cirurgia Digestiva: ABCD = Brazilian Archives of Digestive Surgery, 2018, 31, e1352.	0.5	4
23	Heparin Oligosaccharides Have Antiarrhythmic Effect by Accelerating the Sodium-Calcium Exchanger. Frontiers in Cardiovascular Medicine, 2018, 5, 67.	1.1	10
24	Functional and Evolutionary Characterization of a UDP-Xylose Synthase Gene from the Plant Pathogen Xylella fastidiosa, Involved in the Synthesis of Bacterial Lipopolysaccharide. Biochemistry, 2017, 56, 779-792.	1.2	0
25	Co-distribution of cysteine cathepsins and matrix metalloproteases in human dentin. Archives of Oral Biology, 2017, 74, 101-107.	0.8	33
26	Coupling of vinculin to F-actin demands Syndecan-4 proteoglycan. Matrix Biology, 2017, 63, 23-37.	1.5	46
27	The dynamics of the protective effect of trisulfated disaccharide on pancreatic and liver cells in a Ca++ overload environment. Pancreatology, 2017, 17, S42.	0.5	1
28	Differential cytotoxic effects on odontoblastic cells induced by self-adhesive resin cements as a function of the activation protocol. Dental Materials, 2017, 33, 1402-1415.	1.6	16
29	PAR-1 and PAR-2 Expression Is Enhanced in Inflamed Odontoblast Cells. Journal of Dental Research, 2017, 96, 1518-1525.	2.5	11
30	Modulation of the Plasma Kallikrein-Kinin System Proteins Performed by Heparan Sulfate Proteoglycans. Frontiers in Physiology, 2017, 8, 481.	1.3	13
31	Expression and inactivation of osteopontin-degrading PHEX enzyme in squamous cell carcinoma. International Journal of Biochemistry and Cell Biology, 2016, 77, 155-164.	1.2	19
32	Trisulfate disaccharide protects liver injury secondary to liver ischemia/reperfusion. Hpb, 2016, 18, e299.	0.1	0
33	Trisulfated disaccharide decreases intracellular calcium in hepatocytes under calcium overload. Hpb, 2016, 18, e302.	0.1	0
34	Trisulfate Disaccharide Decreases Calcium Overload and Protects Liver Injury Secondary to Liver Ischemia/Reperfusion. PLoS ONE, 2016, 11, e0149630.	1.1	18
35	Post-translational allosteric activation of the P2X7 receptor through glycosaminoglycan chains of CD44 proteoglycans. Cell Death Discovery, 2015, 1, 15005.	2.0	17
36	Bradykinin Release Avoids High Molecular Weight Kininogen Endocytosis. PLoS ONE, 2015, 10, e0121721.	1.1	8

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37	Development of new methods for determining the heparanase enzymatic activity. Carbohydrate Research, 2015, 412, 66-70.	1.1	16
38	P2X7 receptor activity regulation: the role of CD44 proteoglycan GAG chains. Cell Death and Disease, 2015, 6, e1997-e1997.	2.7	5
39	Can quaternary ammonium methacrylates inhibit matrix MMPs and cathepsins?. Dental Materials, 2015, 31, e25-e32.	1.6	65
40	The Involvement of Proteoglycans in the Human Plasma Prekallikrein Interaction with the Cell Surface. PLoS ONE, 2014, 9, e91280.	1.1	8
41	On the catalytic mechanism of polysaccharide lyases: evidence of His and Tyr involvement in heparin lysis by heparinase I and the role of Ca²⁺. Molecular BioSystems, 2014, 10, 54-64.	2.9	9
42	Abundance of MMPs and Cysteine Cathepsins in Caries-affected Dentin. Journal of Dental Research, 2014, 93, 269-274.	2.5	128
43	Strategies to prevent hydrolytic degradation of the hybrid layerâ€"A review. Dental Materials, 2013, 29, 999-1011.	1.6	313
44	Tooth Bleaching Increases Dentinal Protease Activity. Journal of Dental Research, 2013, 92, 187-192.	2.5	66
45	Heparan sulfate mediates trastuzumab effect in breast cancer cells. BMC Cancer, 2013, 13, 444.	1.1	23
46	Inhibition of cysteine proteases by a natural biflavone: behavioral evaluation of fukugetin as papain and cruzain inhibitor. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 661-670.	2.5	24
47	Human tissue kallikreins 3 and 5 can act as plasminogen activator releasing active plasmin. Biochemical and Biophysical Research Communications, 2013, 433, 333-337.	1.0	14
48	Antithrombin stabilisation by sulfated carbohydrates correlates with anticoagulant activity. MedChemComm, 2013, 4, 870.	3.5	24
49	Optimizing dentin bond durability: Control of collagen degradation by matrix metalloproteinases and cysteine cathepsins. Dental Materials, 2013, 29, 116-135.	1.6	379
50	Response to Letter to the Editor, â€œTooth Bleaching Increases Dentinal Protease Activityâ€• Journal of Dental Research, 2013, 92, 473-473.	2.5	0
51	Heparin Modulates the Endopeptidase Activity of Leishmania mexicana Cysteine Protease Cathepsin L-Like rCPB2.8. PLoS ONE, 2013, 8, e80153.	1.1	18
52	MMP Activity in the Hybrid Layer Detected with in situ Zymography. Journal of Dental Research, 2012, 91, 467-472.	2.5	164
53	Sleep deprivation impairs calcium signaling in mouse splenocytes and leads to a decreased immune response. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1997-2006.	1.1	13
54	Chlorhexidine Inhibits the Activity of Dental Cysteine Cathepsins. Journal of Dental Research, 2012, 91, 420-425.	2.5	186

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55	Correlation between catalysis and tertiary structure arrangement in an archaeal halophilic subtilase. Biochimie, 2012, 94, 798-805.	1.3	11
56	Cell-Permeable Gomesin Peptide Promotes Cell Death by Intracellular Ca2+ Overload. Molecular Pharmaceutics, 2012, 9, 2686-2697.	2.3	35
57	Glycosaminoglycan backbone is not required for the modulation of hemostasis: Effect of different heparin derivatives and non-glycosaminoglycan analogs. Matrix Biology, 2012, 31, 308-316.	1.5	8
58	The Natural Cell-Penetrating Peptide Crotamine Targets Tumor Tissue in Vivo and Triggers a Lethal Calcium-Dependent Pathway in Cultured Cells. Molecular Pharmaceutics, 2012, 9, 211-221.	2.3	62
59	Chemical reduction of carboxyl groups in heparin abolishes its vasodilatory activity. Journal of Cellular Biochemistry, 2012, 113, 1359-1367.	1.2	6
60	Cysteine Cathepsins in Human Carious Dentin. Journal of Dental Research, 2011, 90, 506-511.	2.5	186
61	A New Approach for Heparin Standardization: Combination of Scanning UV Spectroscopy, Nuclear Magnetic Resonance and Principal Component Analysis. PLoS ONE, 2011, 6, e15970.	1.1	25
62	Mechanism of Heparin Acceleration of Tissue Inhibitor of Metalloproteases-1 (TIMP-1) Degradation by the Human Neutrophil Elastase. PLoS ONE, 2011, 6, e21525.	1.1	12
63	Abnormal cell-cycle expression of the proteins p27, mdm2 and cathepsin B in oral squamous-cell carcinoma infected with human papillomavirus. Acta Histochemica, 2011, 113, 109-116.	0.9	11
64	Low molecular weight heparins: Structural differentiation by spectroscopic and multivariate approaches. Carbohydrate Polymers, 2011, 85, 903-909.	5.1	16
65	Poliovirus 3C proteinase inhibition by organotelluranes. Biological Chemistry, 2011, 392, 587-91.	1.2	13
66	Inhibitory Peptides of the Sulfotransferase Domain of the Heparan Sulfate Enzyme, N-Deacetylase-N-sulfotransferase-1. Journal of Biological Chemistry, 2011, 286, 5338-5346.	1.6	27
67	Myelopoiesis modulation by ACE hyperfunction in kinin B1 receptor knockout mice: Relationship with AcSDKP levels. Chemico-Biological Interactions, 2010, 184, 388-395.	1.7	8
68	Fibroblast and prostate tumor cell cross-talk: Fibroblast differentiation, TGF-Î², and extracellular matrix down-regulation. Experimental Cell Research, 2010, 316, 3207-3226.	1.2	53
69	Evidence of lysosomal membrane permeabilization in mucopolysaccharidosis type I: Rupture of calcium and proton homeostasis. Journal of Cellular Physiology, 2010, 223, 335-342.	2.0	48
70	Heparin Induces Rat Aorta Relaxation via Integrin-Dependent Activation of Muscarinic M₃Receptors. Hypertension, 2010, 56, 713-721.	1.3	25
71	Cysteine Cathepsins in Human Dentin-Pulp Complex. Journal of Endodontics, 2010, 36, 475-481.	1.4	206
72	Involvement of heparan sulfate proteoglycans in cellular uptake of high molecular weight kininogen. Biological Chemistry, 2009, 390, 145-155.	1.2	9

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73	Pre-clinical antitumour evaluation of Biphosphinic Palladacycle Complex in human leukaemia cells. Chemico-Biological Interactions, 2009, 177, 181-189.	1.7	28
74	Growth inhibitory activity of a novel lectin from Cliona varians against K562 human erythroleukemia cells. Cancer Chemotherapy and Pharmacology, 2009, 63, 1023-1033.	1.1	35
75	Role of Purines on Hepatic Ischemiaâ€“Reperfusion Lesions in Rabbit. Transplantation Proceedings, 2009, 41, 807-811.	0.3	1
76	Protective Effects of Heparin on Hepatic Ischemia and Reperfusion Lesions in Rabbits. Transplantation Proceedings, 2009, 41, 812-815.	0.3	16
77	l-Arginine Supplementation Protects Against Hepatic Ischemiaâ€“Reperfusion Lesions in Rabbits. Transplantation Proceedings, 2009, 41, 816-819.	0.3	9
78	Effects of Allopurinol on Ischemia and Reperfusion in Rabbit Livers. Transplantation Proceedings, 2009, 41, 820-823.	0.3	21
79	pH-Sensitive Binding of Cytochrome c to the Inner Mitochondrial Membrane. Implications for the Participation of the Protein in Cell Respiration and Apoptosis. Biochemistry, 2009, 48, 8335-8342.	1.2	28
80	Irreversible inhibition of human cathepsins B, L, S and K by hypervalent tellurium compounds. Biological Chemistry, 2009, 390, 1205-1212.	1.2	33
81	The binding of heparin to the extracellular matrix of endothelial cells upâ€regulates the synthesis of an antithrombotic heparan sulfate proteoglycan. Journal of Cellular Physiology, 2008, 217, 328-337.	2.0	25
82	Development of an enzyme-linked immunosorbent assay (ELISA)-like fluorescence assay to investigate the interactions of glycosaminoglycans to cells. Analytica Chimica Acta, 2008, 618, 218-226.	2.6	23
83	Cytotoxic effects of crotamine are mediated through lysosomal membrane permeabilization. Toxicon, 2008, 52, 508-517.	0.8	81
84	The critical interaction of the metallopeptidase PHEX with heparan sulfate proteoglycans. International Journal of Biochemistry and Cell Biology, 2008, 40, 2781-2792.	1.2	4
85	Protective Role of Mitochondrial Unsaturated Lipids on the Preservation of the Apoptotic Ability of Cytochrome c Exposed to Singlet Oxygen. Journal of Biological Chemistry, 2007, 282, 25577-25587.	1.6	35
86	Crotamine Mediates Gene Delivery into Cells through the Binding to Heparan Sulfate Proteoglycans. Journal of Biological Chemistry, 2007, 282, 21349-21360.	1.6	97
87	The role of Tyr605 and Ala607 of thimet oligopeptidase and Tyr606 and Gly608 of neurolysin in substrate hydrolysis and inhibitor binding. Biochemical Journal, 2007, 404, 279-288.	1.7	19
88	Light-Driven Horseradish Peroxidase Cycle by Using Photo-activated Methylene Blue as the Reducing Agent. Photochemistry and Photobiology, 2007, 83, 1254-1262.	1.3	12
89	QuantificaÃ§Ã£o AutomÃ¡tica de Tonalidades em Imagens de ImunohistoquÃmica e ClassificaÃ§Ã£o de Tumores. IFMBE Proceedings, 2007, , 290-293.	0.2	0
90	Modulation of the exocellular serine-thiol proteinase activity of Paracoccidioides brasiliensis by neutral polysaccharides. Microbes and Infection, 2006, 8, 84-91.	1.0	10

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91	Biphosphinic palladacycle complex mediates lysosomal-membrane permeabilization and cell death in K562 leukaemia cells. European Journal of Pharmacology, 2006, 542, 37-47.	1.7	49
92	Divalent metal requirements for catalysis and stability of the RNA triphosphatase from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2006, 150, 83-95.	0.5	3
93	Chiral cyclopalladated complexes derived from N,N-dimethyl-1-phenethylamine with bridging bis(diphenylphosphine)ferrocene ligand as inhibitors of the cathepsin B activity and as antitumoral agents. Bioorganic and Medicinal Chemistry, 2005, 13, 3047-3055.	1.4	97
94	Tellurium-based cysteine protease inhibitors: evaluation of novel organotellurium(IV) compounds as inhibitors of human cathepsin B. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 755-760.	1.0	103
95	Cathepsin X binds to cell surface heparan sulfate proteoglycans. Archives of Biochemistry and Biophysics, 2005, 436, 323-332.	1.4	52
96	Structural studies of human cathepsin B inhibitors: tellurooxetanes. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c288-c289.	0.3	0
97	High molecular weight kininogen as substrate for cathepsin B. Biological Chemistry, 2004, 385, 551-5.	1.2	12
98	Plasma prekallikrein/kallikrein processing by lysosomal cysteine proteases. Biological Chemistry, 2004, 385, 1087-91.	1.2	9
99	Protonation of two adjacent tyrosine residues influences the reduction of cytochrome c by diphenylacetaldehyde: a possible mechanism to select the reducer agent of heme iron. Free Radical Biology and Medicine, 2004, 36, 802-810.	1.3	12
100	Microperoxidase-8 Associated to CTAB Micelles:Â A New Catalyst with Peroxidase Activity. Journal of Physical Chemistry B, 2004, 108, 11124-11132.	1.2	8
101	A structure-based site-directed mutagenesis study on the neurolysin (EC 3.4.24.16) and thimet oligopeptidase (EC 3.4.24.15) catalysis. FEBS Letters, 2003, 541, 89-92.	1.3	23
102	Physicochemical and chromatographic evaluation of benzhydrylamine-resin as an anion exchanger solid support. Journal of Proteomics, 2003, 57, 75-83.	2.4	2
103	Enzyme and integrin expression by high and low metastatic melanoma cell lines. Melanoma Research, 2003, 13, 11-18.	0.6	19
104	Heparin and Heparan Sulfate Disaccharides Bind to the Exchanger Inhibitor Peptide Region of Na+/Ca2+ Exchanger and Reduce the Cytosolic Calcium of Smooth Muscle Cell Lines. Journal of Biological Chemistry, 2002, 277, 48227-48233.	1.6	20
105	Heparan Sulfate Modulates Kinin Release by Trypanosoma cruzi through the Activity of Cruzipain. Journal of Biological Chemistry, 2002, 277, 5875-5881.	1.6	86
106	Interaction of heparin with internally quenched fluorogenic peptides derived from heparin-binding consensus sequences, kallistatin and anti-thrombin III. Biochemical Journal, 2002, 366, 435-446.	1.7	18
107	Proteinase activity regulation by glycosaminoglycans. Brazilian Journal of Medical and Biological Research, 2002, 35, 135-144.	0.7	12
108	Development of new heparin-like compounds and other antithrombotic drugs and their interaction with vascular endothelial cells. Brazilian Journal of Medical and Biological Research, 2001, 34, 699-709.	0.7	54

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109	Comparison of the specificity, stability and individual rate constants with respective activation parameters for the peptidase activity of cruzipain and its recombinant form, cruzain, fromTrypanosoma cruzi. FEBS Journal, 2001, 268, 6578-6586.	0.2	30
110	Cathepsin B Activity Regulation. Journal of Biological Chemistry, 2001, 276, 944-951.	1.6	169
111	First purification of heparan sulfate disaccharides with an amine resin used as solid support for peptide synthesis. Analytica Chimica Acta, 2000, 403, 205-207.	2.6	4
112	Cysteine Proteinase Activity Regulation. Journal of Biological Chemistry, 1999, 274, 30433-30438.	1.6	51
113	New insights on the specificity of heparin and heparan sulfate lyases from Flavobacterium heparinum revealed by the use of synthetic derivatives of K5 polysaccharide from E. coli and 2-O-desulfated heparin. Glycoconjugate Journal, 1999, 16, 265-270.	1.4	29
114	Heparan sulfates and heparins: similar compounds performing the same functions in vertebrates and invertebrates?. Brazilian Journal of Medical and Biological Research, 1999, 32, 529-538.	0.7	74
115	The renal and hepatic distribution of Bence Jones proteins depends on glycosylation: a scintigraphic study in rats. Brazilian Journal of Medical and Biological Research, 1997, 30, 865-872.	0.7	8
116	Uncoupling of Actomyosin Adenosinetriphosphatase by Heparin and Its Fragments. FEBS Journal, 1997, 245, 40-46.	0.2	1
117	Pharmacological Properties and Identification of Cardiotonic Principles from the Indian Snuff,Maquira sclerophylla, Ducke. , 1997, 11, 136-141.		2
118	Interaction of heparin with myosin ATPase: Possible involvement with the hemorrhagic activity and a correlation with antithrombin III high affinity-heparin molecules. Thrombosis Research, 1992, 68, 247-258.	0.8	13
119	Purification and substrate specificity of heparitinase I and heparitinase II from Flavobacterium heparinum. Analyses of the heparin and heparan sulfate degradation products by 13C NMR spectroscopy. Journal of Biological Chemistry, 1990, 265, 16807-13.	1.6	111
120	Structural requirements of heparin disaccharides responsible for hemorrhage: reversion of the antihemostatic effect by ATP. FASEB Journal, 1989, 3, 2420-2424.	0.2	11
121	Antihemostatic activity of heparin disaccharides and oligosaccharides obtained by chemical and enzymatic fragmentation: Reversal of the hemorrhagic activity by ATP and myosin. Thrombosis Research, 1989, 54, 207-214.	0.8	9
122	Interaction of plasma kallikrein-kinin system proteins with breast cancer cells. , 0, , .		0