

Efrat Kessler

List of Publications by Year in descending order

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54
papers

1,885
citations

186265
28
h-index

254184
43
g-index

54
all docs

54
docs citations

54
times ranked

1551
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysyl Oxidase-like Protein from Bovine Aorta. <i>Journal of Biological Chemistry</i> , 2001, 276, 48944-48949.	3.4	124
2	Elastase and the LasA Protease of <i>Pseudomonas aeruginosa</i> Are Secreted with Their Propeptides. <i>Journal of Biological Chemistry</i> , 1998, 273, 30225-30231.	3.4	115
3	The elastase propeptide functions as an intramolecular chaperone required for elastase activity and secretion in <i>Pseudomonas aeruginosa</i> . <i>Molecular Microbiology</i> , 1995, 18, 877-889.	2.5	113
4	Transforming Growth Factor- β 2 Regulation of Bone Morphogenetic Protein-1/Procollagen C-proteinase and Related Proteins in Fibrogenic Cells and Keratinocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 19059-19066.	3.4	107
5	In Vitro Inhibition of <i>Pseudomonas aeruginosa</i> Elastase by Metal-Chelating Peptide Derivatives. <i>Infection and Immunity</i> , 1982, 38, 716-723.	2.2	97
6	Type I procollagen C-proteinase from mouse fibroblasts. Purification and demonstration of a 55-kDa enhancer glycoprotein. <i>FEBS Journal</i> , 1989, 186, 115-121.	0.2	84
7	Correlation of Virulence and Collagenolytic Activity in <i>Entamoeba histolytica</i> . <i>Infection and Immunity</i> , 1983, 39, 528-531.	2.2	78
8	Inhibitors and Specificity of <i>Pseudomonas aeruginosa</i> LasA. <i>Journal of Biological Chemistry</i> , 1997, 272, 9884-9889.	3.4	75
9	A Secreted Aminopeptidase of <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 43645-43652.	3.4	67
10	Evidence for a Protein that Enhances the Activity of Type I Procollagen C-Proteinase. <i>Collagen and Related Research</i> , 1986, 6, 267-277.	2.0	59
11	Interaction Properties of the Procollagen C-proteinase Enhancer Protein Shed Light on the Mechanism of Stimulation of BMP-1. <i>Journal of Biological Chemistry</i> , 2002, 277, 33864-33869.	3.4	58
12	Partial Purification and Characterization of a Procollagen C-Proteinase from the Culture Medium of Mouse Fibroblasts. <i>Collagen and Related Research</i> , 1986, 6, 249-266.	2.0	53
13	The CUB domains of procollagen C-proteinase enhancer control collagen assembly solely by their effect on procollagen C-proteinase/bone morphogenetic protein-1. <i>Matrix Biology</i> , 1997, 16, 41-45.	3.6	49
14	Expression of procollagen C-proteinase enhancer in cultured rat heart fibroblasts: Evidence for coregulation with type I collagen. <i>Journal of Cellular Biochemistry</i> , 2003, 90, 397-407.	2.6	45
15	Procollagen type I C-proteinase enhancer is a naturally occurring connective tissue glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 81-86.	2.1	43
16	<i>Pseudomonas aeruginosa</i> LasA Protease in Treatment of Experimental Staphylococcal Keratitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1681-1687.	3.2	42
17	Elastinolytic and Proteolytic Enzymes. <i>Methods in Molecular Biology</i> , 2014, 1149, 135-169.	0.9	40
18	Expression of procollagen C-proteinase enhancer-1 in the remodeling rat heart is stimulated by aldosterone. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 358-365.	2.8	38

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19	Role of the Netrin-like Domain of Procollagen C-Proteinase Enhancer-1 in the Control of Metalloproteinase Activity. <i>Journal of Biological Chemistry</i> , 2010, 285, 15950-15959.	3.4	38
20	Extended interaction network of procollagen C-proteinase enhancer-1 in the extracellular matrix. <i>Biochemical Journal</i> , 2014, 457, 137-149.	3.7	37
21	Folding and activity of recombinant human procollagen C-proteinase enhancer. <i>FEBS Journal</i> , 2001, 268, 2991-2996.	0.2	36
22	Bone Morphogenetic Protein-1 (BMP-1) Mediates C-terminal Processing of Procollagen V Homotrimer. <i>Journal of Biological Chemistry</i> , 2001, 276, 27051-27057.	3.4	36
23	Binding of Procollagen C-Proteinase Enhancer-1 (PCPE-1) to Heparin/Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2010, 285, 33867-33874.	3.4	34
24	A method for assaying the activity of the endopeptidase which excises the nonhelical carboxyterminal extensions from type I procollagen. <i>Analytical Biochemistry</i> , 1978, 86, 463-469.	2.4	33
25	Identification of cleavage sites involved in proteolytic processing of <i>Pseudomonas aeruginosa</i> preproelastase. <i>FEBS Letters</i> , 1992, 299, 291-293.	2.8	31
26	Molecular Events that Contribute to Lysyl Oxidase Enzyme Activity and Insoluble Collagen Accumulation in Osteosarcoma Cell Clones. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1189-1197.	2.8	31
27	Functional study of elafin cleaved by <i>Pseudomonas aeruginosa</i> metalloproteinases. <i>Biological Chemistry</i> , 2010, 391, 705-16.	2.5	31
28	[48] ² -lytic endopeptidases. <i>Methods in Enzymology</i> , 1995, 248, 740-756.	1.0	30
29	Identification of residues in the <i>Pseudomonas aeruginosa</i> elastase propeptide required for chaperone and secretion activities. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3969-3977.	1.8	30
30	Identification of Critical Residues in the Propeptide of LasA Protease of <i>Pseudomonas aeruginosa</i> Involved in the Formation of a Stable Mature Protease. <i>Journal of Bacteriology</i> , 2007, 189, 3960-3968.	2.2	23
31	Evaluation of <i>Pseudomonas aeruginosa</i> staphylolysin (LasA protease) in the treatment of methicillin-resistant <i>Staphylococcus aureus</i> endophthalmitis in a rat model. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2009, 247, 913-917.	1.9	23
32	Inhibition by phosphoramidon of <i>Pseudomonas aeruginosa</i> elastase injected intracorneally in rabbit eyes. <i>Current Eye Research</i> , 1984, 3, 1075-1078.	1.5	18
33	Procollagen C-Proteinase Enhancer 1 (PCPE-1) as a Plasma Marker of Muscle and Liver Fibrosis in Mice. <i>PLoS ONE</i> , 2016, 11, e0159606.	2.5	18
34	COL1A1 C-propeptide mutations cause ER mislocalization of procollagen and impair C-terminal procollagen processing. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 2210-2223.	3.8	18
35	The effect of 2-mercaptoacetyl-L-phenylalanyl-L-leucine, a specific inhibitor of <i>Pseudomonas aeruginosa</i> elastase, on experimental <i>Pseudomonas</i> keratitis in rabbit eyes. <i>Current Eye Research</i> , 1984, 3, 645-650.	1.5	16
36	A continuous spectrophotometric assay for <i>Pseudomonas aeruginosa</i> LasA protease (staphylolysin) using a two-stage enzymatic reaction. <i>Analytical Biochemistry</i> , 2004, 328, 225-232.	2.4	14

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37	The NTR domain of procollagen C-proteinase enhancer-1 (PCPE-1) mediates PCPE-1 binding to syndecans-1, -2 and -4 as well as fibronectin. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 57, 45-53.	2.8	13
38	X-Irradiation in the prevention of experimental post-traumatic vitreous proliferation. <i>Current Eye Research</i> , 1982, 2, 753-756.	1.5	11
39	Analysis of Procollagen C-Proteinase Enhancer-1/Glycosaminoglycan Binding Sites and of the Potential Role of Calcium Ions in the Interaction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5021.	4.1	11
40	Staphylolysin is an effective therapeutic agent for <i>Staphylococcus aureus</i> experimental keratitis. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 223-229.	1.9	9
41	Procollagen C-proteinase and its enhancer protein as regulators of collagen fibril formation and matrix deposition. <i>Journal of Chemical Sciences</i> , 1999, 111, 197-205.	1.5	7
42	Pseudolysin. , 2013, , 582-592.		6
43	Quantification of human serum procollagen C-proteinase enhancer (hsPCPE) glycopattern. <i>Clinica Chimica Acta</i> , 2011, 412, 1762-1766.	1.1	5
44	Data comparing the kinetics of procollagen type I processing by bone morphogenetic protein 1 (BMP-1) with and without procollagen C-proteinase enhancer 1 (PCPE-1). <i>Data in Brief</i> , 2016, 9, 883-887.	1.0	5
45	Data comparing the plasma levels of procollagen C-proteinase enhancer 1 (PCPE-1) in healthy individuals and liver fibrosis patients. <i>Data in Brief</i> , 2017, 14, 777-781.	1.0	5
46	Ascorbic Acid Promotes Procollagen C-Proteinase Enhancer 1 Expression, Secretion, and Cell Membrane Localization. <i>Anatomical Record</i> , 2020, 303, 1670-1679.	1.4	5
47	Extracellular proteolytic activation of <i>Pseudomonas aeruginosa</i> aminopeptidase (PaAP) and insight into the role of its non-catalytic N-terminal domain. <i>PLoS ONE</i> , 2021, 16, e0252970.	2.5	5
48	Staphylolysin. , 2004, , 1001-1003.		5
49	Anti-fibrotic characteristics of $\text{V}\alpha^3\text{9}+\text{I}\beta^3\text{T}$ cells in systemic sclerosis. <i>Clinical and Experimental Rheumatology</i> , 2016, 34 Suppl 100, 23-29.	0.8	5
50	Procollagen C-Proteinase Enhancer 1 (PCPE-1) in Liver Fibrosis. <i>Methods in Molecular Biology</i> , 2019, 1944, 189-201.	0.9	4
51	Staphylolysin. , 2013, , 1553-1558.		2
52	Procollagen C-Endopeptidase. , 2013, , 916-932.		2
53	Comparative effect of ammonium and sodium salts on growth of <i>Pseudomonas aeruginosa</i> and on protease (elastase) production. <i>FEMS Microbiology Letters</i> , 1983, 20, 87-90.	1.8	1
54	Mammalian Tolloid-like Peptidases. , 2013, , 936-942.		0